

The logo for TEKKIM features the word in a bold, sans-serif font. The letters 'T', 'E', 'K', 'I', and 'M' are teal, while the 'K' is orange. A small teal dot is positioned above the 'i'.

“A delicate touch to Chemistry,,

Laboratory & Research  
Chemicals Catalogue

Dear Clients,

Since the day it was established in 2003, TEKKİM Kimya, which produces 'laboratory chemicals' with its expert staff, is experiencing the right excitement of sharing its knowledge and experience with our esteemed customers. At the point we came today, bringing world standards to our country and as a standard determining position, TEKKİM Kimya in the İTK Group of Companies, with a wide product scale continues to draw attention on the world market.

With its production of chemicals especially 99.9% pure Absolute Ethyl Alcohol and 99.5% pure Diethyl Ether in its own field, TEKKİM Kimya has a production capacity of Turkey's highest purification and proud to be the only company, With the widespread distribution network throughout the country and the exports it has made to dozens of countries abroad continue to provide tax gain to our country.

TEKKİM Kimya, serves with domestic and oversea distributors to meet the needs of the hospitals, pathology laboratories, university research laboratories, defense industry, food, medicine, and cosmetics sectors. FACILITY AND PRODUCTION Quality Assurance System ISO 9001, Environmental Management System ISO 14001 certification, chemical production permits approved by official institutions, etc. quality certificates and has a total area of 7400 square meters with 2000 square meters of storage space.

TEKKİM Kimya, which carries out the production of specially formulated chemicals with reference chemicals including the purification process of chemicals such as organic, inorganic, solvent, acid, continues to improve itself in production and purification. In 2017, TEKKİM Kimya enriched its product portfolio by adding Methanol, Acetonitrile and Ultra Pure Water chemicals to its production line in HPLC quality.

R&D and quality control, TEKKİM Kimya always gives importance to quality control with its professional team of experts in its own laboratories, from raw material acceptance to production, purification and filling stages, in addition to general analysis instruments, Atomic Absorption Spectrophotometer (AAS), High Performance Liquid Chromatography (HPLC), Gas Chromatograph Mass Spectrometer (GC-MS), UV-Vis Spectrophotometer, Coloumetric & Volumetric Titration device, Digital Density Meter instruments are used.

We present the chemicals we produce using the latest technological devices to our valuable customers with the "specifications" and "analysis" certificates along with %100 accurate analysis reports. The safety data sheets (SDS) of the finished chemicals can also be found on the internet at [ww.tekkim.com.tr](http://ww.tekkim.com.tr) with the product code found on the label.

Prior to the filling of the packages of purified chemicals, TEKKİM Kimya patented packings are subjected to leakproofness tests and also TEKKİM Kimya patented packaging and UN certified lines are suitable for international sea, air, land and train transportation of dangerous goods.

Our firm's steadfast steps forward with the slogan of "A delicate touch to Chemistry" are: always quality products, best service, timely delivery and reasonable price. TEKKİM Kimya is the success and continuity of production in the service of honesty and moving with the principle of quality and thank you for your close tribute to our valued customers, it will continue to provide the best service to you in the future as it is today.

Best Regards

Tekkim Kimya Sanayi ve  
Ticaret Limitet Şirketi

- 1 Chemical name (Turkish,English,Franch)
- 2 Grade,Quality,Application
- 3 Product Lot number
- 4 Product code
- 5 Packing type code
- 6 Pack size
- 7 Expiration date
- 8 Storage Temp.
- 9 Warning, Danger word (English)
- 10 Warning, Danger word (Turkish)
- 11 Barcode code
- 12 Chemical definition for the International Maritime Organization
- 13 Hazard symbols
- 14 ADR, CAS, EC numbres
- 15 Data matrix code
- 16 UN code (International numbers for the transport of chemicals) Specificatinos
- 17 Specifications



**Lot.010318361001**

**CH<sub>3</sub>CN**

Specification	* App. Values
Purity(G.C)	>= 99,9 %
Density(20 C)	0,781-0,787 gr/cm3
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0005 meq/gr
Evaporation Residue	<= 0,0005 %
Water(KF)	<= 0,05 %
Colour(Pl-Co)	<= 10
Boiling Range(>=95 % v/v)	80,0-62,0 C
Transmission (193 nm)	>= 60 %
Transmission (195 nm)	>= 79 %
Transmission (200 nm)	>= 90 %
Transmission (210 nm)	>= 95 %
Transmission (220-420 nm)	>= 98 %
Gradient Grade (210 nm)	<= 2,0 mAu
Gradient Grade (254 nm)	<= 1,0 mAu
Fluorescence (254 nm)	<= 1,0 ppb
Fluorescence (365 nm)	<= 0,5 ppb

Filtered by 0,2 micron filter

**TK.930108.02500**

**HPLC Grade**

**Acetonitrile % 99,9**

**Asetonitril**

**Acétonitrile**

**2,5 Lt.**

Expiration date : 28/02/2021

Storage Temp. : +10...+30 °C

**DANGER**

Extremely flammable liquid and vapour.  
Harmful if swallowed.  
May cause drowsiness or dizziness.  
Repeated exposure may cause skin dryness or cracking.  
Keep away from heat/sparks/open flames/hot surfaces. - No smoking.  
Ground/bond container and receiving equipment.  
Store in a well-ventilated place. Keep cool.  
Keep container tightly closed.

**TEHLİKE**

Aşırı derecede kolay alevlenebilir sıvı ve buhar.  
Yutulduğunda sağlığa zararlidir.  
Uyku haline ve baş dönmesine neden olur.  
İsi ve ilgili maruz kaldığında pahalıca peroksit formları oluşturabilir.  
Tekrar tekrar maruz kalındığında ciltte kuruluğu ve çatlama neden olabilir.  
Açık alevkivincimisi ve sıcak yüzeylerden uzak tutun.Kesinlikle sigara içmeyin.  
Depolama kapları ve alımata ekipmanları uzak tutun.  
İki havalandırılmış soğuk bir yerde depolayınız.  
Ambalajın kapağını sıkıca kapatın.

**UN 1648**

ADR : 3,PGII,(D/E)

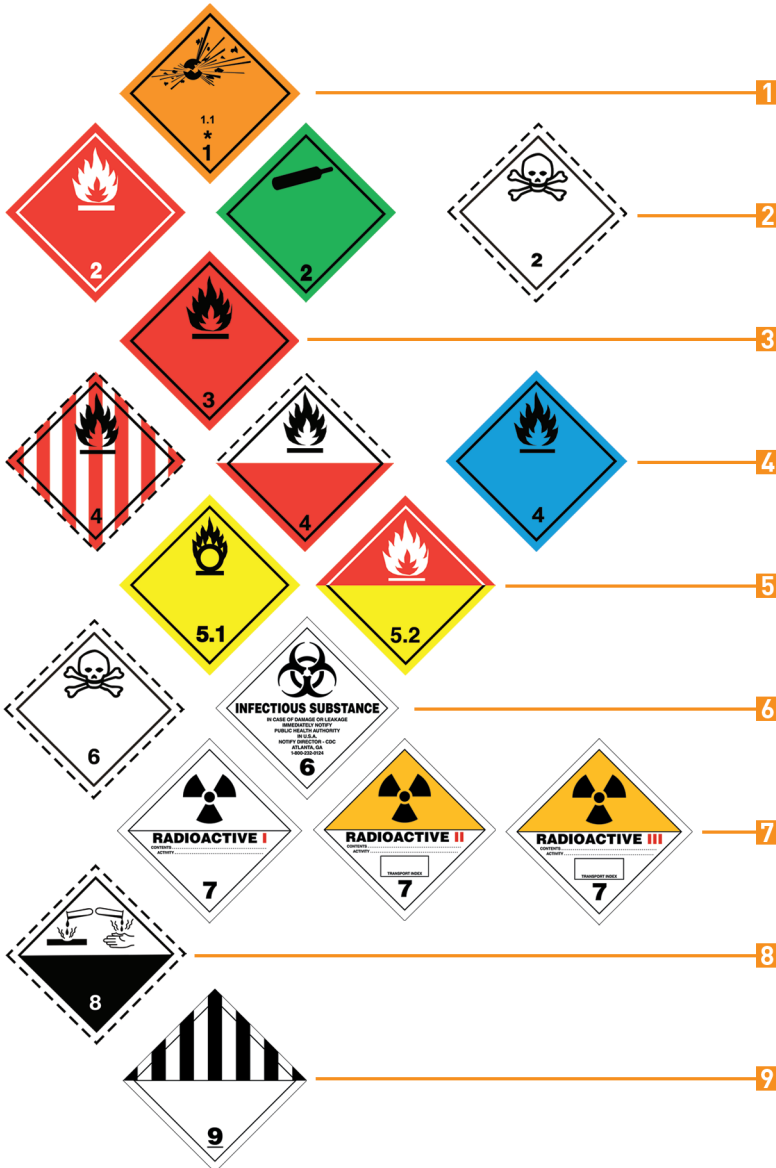
CAS-Nr : 75-05-8

EC No : 200-835-2

This product is manufactured in Tekkim company which has been certified to conform to ISO 9001: 2015 standard of Quality Management System.

8 11204 01234 4

**IMO : ACETONITRILE**



The classes of dangerous goods according to ADR are the following:

### CLASS 1

Explosive substances and articles

### CLASS 2

Gases

### CLASS 3

Flammable liquids

### CLASS 4

- 1 Flammable solids, self-reactive substances and solid desensitized explosives
- 2 Substances liable to spontaneous combustion
- 3 Substances which, in contact with water, emit flammable gases

### CLASS 5

- 1 Oxidizing substances
- 2 Organic peroxides

### CLASS 6

- 1 Toxic substances
- 2 Infectious substances

### CLASS 7

Radioactive material

### CLASS 8

Corrosive substances material

### CLASS 9

Miscellaneous dangerous substances and articles



### Road Transport

The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)



### Rail Transport

Regulation concerning the International Carriage of Dangerous Goods by Rail (RID)



### Air Transport

The International Air Transport Association (IATA) .  
The International Civil Aviation Organization (ICAO)



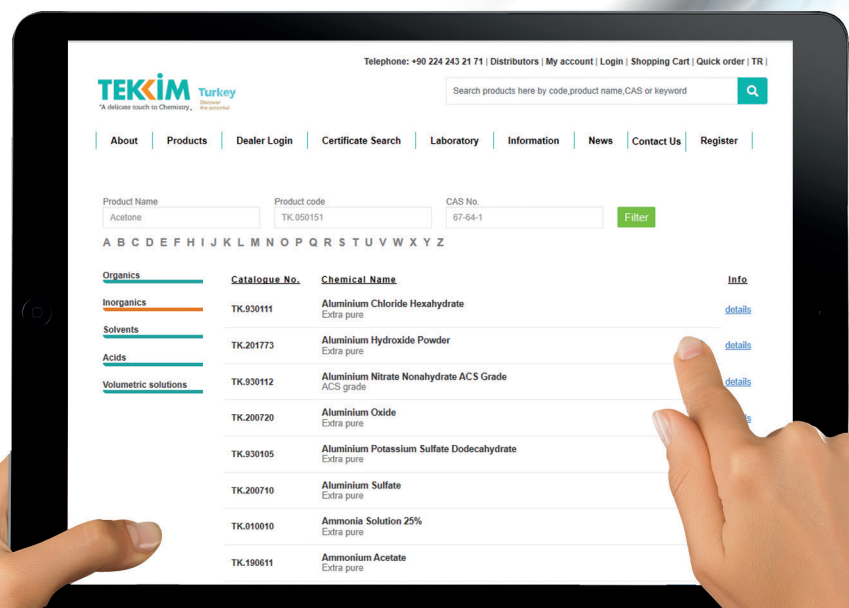
### Sea Transport

International Maritime Dangerous Goods Code (IMDG)



- On-line Order
- Practical application
- Easy and Fast
- Useful documents
- Videos
- Analysis Certificates (COA)
- Technical Data Sheet (TDS)
- Material Safety Data Sheets (MSDS)
- Download Catalogue, Brochures, Posters

If you are already one of our dealers, you can use the on-line registration procedure to make an order directly through our web site under the existing sales conditions and verify the status your order at any time.



# Firstly Quality Control;

We do the analysis of chemicals with the latest technological devices.



First of all, accurate and stable analysis results are our main goal.



Atomic Absorption Spectrophotometer (AAS)



High Performance Liquid Chromatography (HPLC)



Gas Chromatograph Mass Spectrometer (GC-MS)



UV-Vis Spectrophotometer



Coloumetric & Volumetric Titration device



Digital Density Meter

Version 2



### Certificates of Analysis (COA)

Product Code : TK.911015.05001      Documentation No: 20220925  
 Product Name : Ethanol Absolute % 99,9 ACS grade      Barcode No: 8698940593151  
 Batch No : 260919375001  
 Expiration Date : 2022/09/25

**Technical informations**  
 Chemical Formula: C<sub>2</sub>H<sub>5</sub>OH      Cas No : 64-17-5      EC Index No: 603-002-00-5  
 EC No: 200-578-6      UN Number: 1170      HS Code: 2207.10.00.  
 Storage Temperature: Store at +5°C to +30°C.

PARAMETERS	SPECIFICATION VALUES*	ANALYSIS VALUES*
Assay	>= 99,5 % (by volume)	99,95 %
	>= 99,2 % (w/w)	99,89 %
Colour(APHA)	<= 10	10
Water	<= 0,2 %	0,095 %
Solubility in Water	Testi Geçti/Passes Test	Testi Geçti/Passed Test
Residue after evaporation	<= 0,001 %	0,0005 %
Acetone,Isopropyl Alcohol	Testi Geçti/Passes Test	Testi Geçti/Passed Test
Titration Acid	<= 0,0005 meq/gr	0,0002 meq/gr
Titration Base	<= 0,0002 meq/gr	0,0001 meq/gr
Methanol	<= 0,1 %	0,06 %
Substances darkened by Sulfuric Acid	Testi Geçti/Passes Test	Testi Geçti/Passed Test
Substances Reducing Permanganate	Testi Geçti/Passes Test	Testi Geçti/Passed Test
Ultraviolet Spectrophotometry		
Wavelength (nm)		
270-400		0,01 Au
240		0,05 Au
230		0,15 Au
220		0,25 Au
210		0,40 Au

Names of certifying officers:  
 Laboratory Assistant: Mr. Erhan DİLER  
 Manager: Mr. Mehmet KOÇDEMİR

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Version 2



### Technical Data Sheet (TDS)

Product Code : TK.930108      Documentation No: 02121936  
 Product Name : Acetonitrile 99,9 % HPLC grade      Barcode No: 8698940590921  
 Batch No :  
 Expiration Date :

**Technical informations**  
 Chemical Formula: CH<sub>3</sub>CN      Cas No : 75-05-8      EC Index No: 608-001-00-3  
 EC No: 200-835-2      UN Number: 1648      HS Code: 2926.90.70  
 Storage Temperature: Store at +5°C to +30°C.

PARAMETERS	SPECIFICATION VALUES*
Purity(G.C)	>= 99,9 %
Density(20 C)	0,781-0,787 gr/cm3
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0005 meq/gr
Evaporation Residue	<= 0,0005 %
Water(K.F)	<= 0,05 %
Colour(Pt-Co)	<= 10
Boiling Range(>=95 % v/v)	80,0-62,0 C
Transmission (193 nm)	>= 60 %
Transmission (195 nm)	>= 79 %
Transmission (200 nm)	>= 90 %
Transmission (210 nm)	>= 95 %
Transmission (220-420 nm)	>= 98 %
Gradient Grade (210 nm)	<= 2,0 mAu
Gradient Grade (254 nm)	<= 1,0 mAu
Fluorescence (254 nm)	<= 1,0 ppb
Fluorescence (365 nm)	<= 0,5 ppb

Names of certifying officers:  
 Laboratory Assistant: Mr. Erhan DİLER  
 Manager: Mr. Mehmet KOÇDEMİR

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### Safety Data Sheet



Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

Revision date : 11.07.2019      Version 1  
 Print date : 11.07.2019

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1 Product identifier

1.2 Relevant identified uses of the substance or mixture and uses advised against : TK.930108

Generic name : ACETONITRILE HPLC Grade  
 REACH No.  
 CAS No. : 75-05-8

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses : Use as laboratory reagent.  
 Use of the substance / mixture  
 Uses advised against

##### Details of the supplier of the safety data sheet

Name : TEKKİM KİMYA SAN. TİC. LTD. ŞTİ.  
 Street : ORGANİZE SAN. BÖL. MAVİ CADDE. 8.SOKAK NO:1 BURSA  
 Telephone : 0224 243 21 71  
 E-mail : tekkim@tekkim.com.tr  
 Company Representative : Gökhan ÖZKAN  
 Emergency Telephone Number : 0553 209 14 16 - 0553 209 14 18

#### SECTION 2: Hazards identification

Classification of the substance or mixture  
 Classification according to Regulation (EC) No. 1272/2008 [CLP]

Acute Tox. 4  
 Acute Tox. 4  
 Acute Tox. 4 (vapour)  
 Eye Irrit. 2

Full text of R-, H- and EUH-phrases: see section 16.

See overview table at www.tekkim.com.tr

1 / 7



### Declaration of Conformity

Manufacturer : Tekkim Kimya Sanayi ve Ticaret Limited Şirketi  
 Üretilen :  
 Address: O.S.B. Mavi Cadde 8.Sakak No:1 Nilüfer - BURSA (TURKEY)  
 Phone: +90 224 243 21 71 (pbx) Fax: +90 224 242 97 66

Product Code : TK.911015      Brand : Tekkim      Documentation No: 250319375001  
 Ürün kodu :      Marka :      Dökümanasyon Numarası

Product Name : Ethanol Absolute ACS grade (American Chemical Society)

Ürün Adı :  
 Batch No : 250319375001

Lol Numarası :  
 Expiration Date : 2022/03/24

Son Kullanma Tarihi

Usage Areas : This chemical, Hospital Pathology laboratories (dehydration), Histology laboratories, Industrial laboratories, R&D laboratories and Analysis laboratories. Our goal is to provide reliable, high quality and more affordable prices to users.

##### Technical informations

• Chemical Formula: C<sub>2</sub>H<sub>5</sub>OH      • M = 46,07 g/mol      • Melting: -114,5°C      • Boiling: 78,3°C      • CAS [64-17-5]  
 • UN 1710      • EC 200-578-6      • Storage Temperature: Store at +15°C to +25°C.

PARAMETERS	SPECIFICATION VALUES	ANALYSIS VALUES
Assay	>= 99,5 % (by volume)	99,95 %
	>= 99,2 % (w/w)	99,88 %
Colour(APHA)	<= 10	10
Water	<= 0,2 %	0,095 %
Solubility in Water	Passes Test	Passed Test
Residue after evaporation	<= 0,001 %	0,0006 %
Acetone,Isopropyl Alcohol	Passes Test	Passed Test
Titration Acid	<= 0,0005 meq/gr	0,00025 meq/gr
Titration Base	<= 0,0002 meq/gr	0,0001 meq/gr
Methanol	<= 0,1 %	0,08 %
Substances darkened by Sulfuric Acid	Passes Test	Passed Test
Substances Reducing Permanganate	Passes Test	Passed Test

Names of certifying officers:  
 Laboratory Assistant: Mr. Erhan DİLER  
 Manager: Mr. Mehmet KOÇDEMİR

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According to Regulation (EC) No. 1907/2006 (REACH)

## SECTION 1

Identification.

## SECTION 2

Hazards identification.

## SECTION 3

Composition/information on ingredients.

## SECTION 4

First aid measures.

## SECTION 5

Firefighting measures.

## SECTION 6

Accidental release measures.

## SECTION 7

Handling and Storage.

## SECTION 7

Exposure controls / personal protection.

## SECTION 8

Physical and chemical Properties.

## SECTION 9

Stability and Reactivity.

## SECTION 10

Toxicological information.

## SECTION 11

Ecological information.

## SECTION 13

Disposal considerations.

## SECTION 14

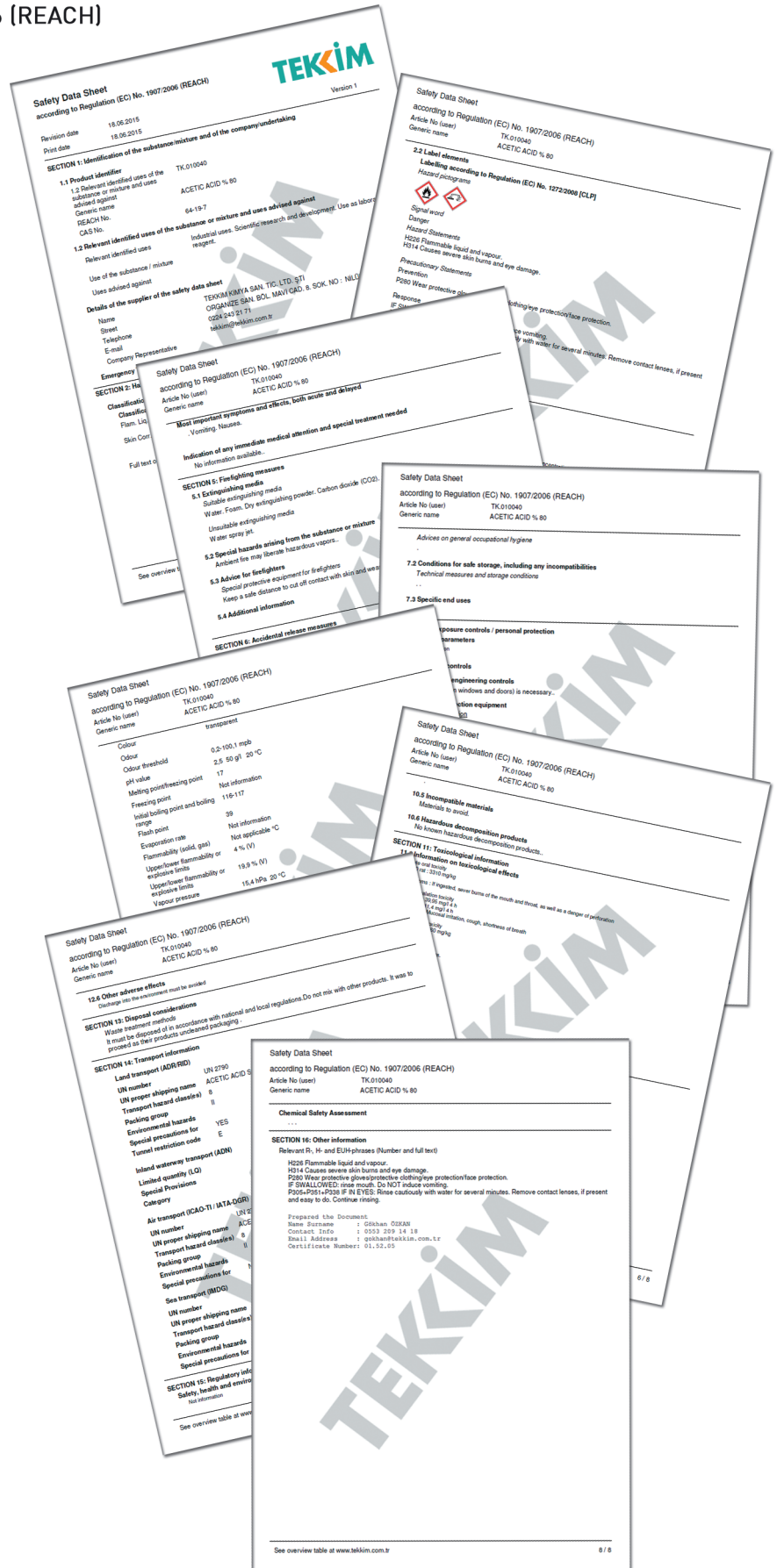
Transport information.

## SECTION 15

Regulatory information.

## SECTION 16

Other information.





**Technical data**  
Material: Glass  
Colour: Amber

Package Code	Packaging size:
.01000	1 Lt
.02500	2.5 Lt
.04000	4 Lt

Quantity in box:  
1 Lt 6 pcs.  
2.5 Lt 4 pcs.  
4 Lt 4 pcs.

Bottle Size:  
1 Lt : H: 240 mm - Dia.: 95 mm - Wgt: 640 gr  
2.5 Lt: H: 330 mm - Dia.: 135 mm -Wgt: 1050 gr  
4 Lt : H: 360 mm- Dia.: 155 mm - Wgt: 1465 gr



**Technical data**  
Material: High Density Poliethylene (HDPE)  
Colour: Black, White

Package Code	Packaging size:
.05001	5 Lt

Quantity in box:  
5 Lt 4 pcs.

Bottle Size:  
5 Lt : H: 310 / W: 160 / L:160 mm - Wgt: 290 gr



**Technical data**  
Material: (COEX) It's composed from 3 layers;  
1. Inside of the bottle's material is Polyamide.  
2. Middle layer is adhesive layer.  
3. Outside of the bottle's layer is Polyethylene.  
Colour: White

Package Code	Packaging size:
.05003	5 Lt

Quantity in box:  
5 Lt 4 pcs.

Bottle Size:  
5 Lt : H: 310 / W: 160 / L:160 mm - Wgt: 290 gr



**Technical data**  
Material: Aluminum  
Locked cap, Handle

Package Code	Packaging size:
.01003	1 Lt
.05005	5 Lt

Quantity in box:  
1 Lt 12 pcs.  
5 Lt 4 pcs.

Bottle Size:  
1 Lt : H: 270 mm - Dia.: 90 mm - Wgt: 140 gr  
5 Lt : H: 310 mm - Dia.: 175 mm-Wgt: 400 gr



**Technical data**  
Material: High Density Poliethylene (HDPE)  
Colour: Black, White

Package Code	Packaging size:
.02501	2.5 Lt

Quantity in box:  
2.5 Lt 6 pcs.

Bottle Size:  
2.5 Lt : H: 300 / W: 110 / L:110 mm - Wgt: 186 gr



**Technical data**  
Material: High Density Poliethylene (HDPE)  
Colour: Black, White

Package Code	Packaging size:
.01001	1 Lt

Quantity in box:  
1 Lt 6 pcs.

Bottle Size:  
1 Lt : H: 210 mm - Dia.: 95 mm - Wgt: 100 gr

## Bottle and Box Type of Inner Packaging



### Technical data

Material: High Density Poliethylene (HDPE)  
Colour: White

Package Code      Packaging size:  
.05004              5 kg

Quantity in box:  
5 kg      4 pcs.

Bottle Size:  
5 kg: H: 300 / W: 155 / L:155 mm - Wgt: 285 gr



### Technical data

Material: High Density Poliethylene (HDPE)  
Colour: White

Package Code      Packaging size:  
.01002              1 kg

Quantity in box:  
1 kg      18 pcs.

Bottle Size:  
1 kg: H: 167 / W: 120 / L:120 mm - Wgt: 130 gr



### Technical data

Material: High Density Poliethylene (HDPE)  
Colour: White

Package Code      Packaging size:  
.00102              100 gr  
.00252              250 gr  
.00502              500 gr

### Quantity in box:

100 gr      36 pcs.  
250 gr      36 pcs.  
500 gr      36 pcs.

### Bottle Size:

100 gr: H: 115 / W: 57 / L:57 mm - Wgt: 40 gr  
250 gr: H: 175 / W: 65 / L:65 mm - Wgt: 54 gr  
500 gr: H: 175 / W: 65 / L:65 mm - Wgt: 54 gr



### Technical data

Material: High Density Poliethylene (HDPE)  
Colour: Black, White

Package Code      Packaging size:  
.25001              25 Lt

Quantity in pallette:  
18 pcs.

Barrel Size:  
25 Lt : H: 400 / W: 270 / L:350 mm - Wgt: 1515 gr



### Technical data

Material: Steel barrel  
Locked cap, inside lacquer coating  
Colour: Black

Package Code      Packaging size:  
.25003              25 Lt

Quantity in pallette:  
18 pcs.

Barrell Size:  
25 Lt: H: 370 mm - Dia.: 370 mm - Wgt: 3865 gr



UN 4G/Y40/S/2019 L/16139/SNCH-MONDI09 UN 4G/Y40/S/2019 U/CSI52816MONDI09

### Technical data

Material:  
Locked Nylon bag in carton box

Package Code      Packaging size:  
.25006              25 kg

Quantity in pallette:  
18 pcs.

Box Size:  
25 kg: H: 325 / W: 340 / L:340 mm - Wgt: 900 gr



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Product Name	Product No.	Page No.
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Acetic Acid (Glacial) %99-100, Extra Pure	TK.010030	26
Acetic Acid Solution % 1	TK.400052	102
Acetic Acid Solution % 3	TK.400053	102
Acetic Acid Solution % 5	TK.400054	102
Acetic Acid Solution 0,1N	TK.400049	102
Acetic Acid Solution 1 N	TK.400050	102
Acetic Acid Solution 5 N	TK.400051	102
Aceto Orcein Solution	TK.400057	102
Acetocarmine Solution	TK.400056	102
Acetone Alcohol	TK.400055	102
Acetone, ACS Grade	TK.911013	27
Acetone, Extra Pure	TK.010050	26
Acetonitrile % 99,9 for Synthesis, Extra Pure	TK.930109	28
Acetonitrile, Extra Pure	TK.930107	27
Acetonitrile, HPLC Grade	TK.930108	27
Acide Alcohol	TK.400058	102
Acidity Test Kit	TK.400004	130
Adipic Acid, Extra Pure	TK.201793	28
Alcian Blue pH 2,5 Solution	TK.930165	102
Alkalinity Test Kit	TK.400001	130
Aluminium Chloride Hexahydrate, Extra Pure	TK.930111	28
Aluminium Hydroxide (Powder), Extra Pure	TK.201773	28
Aluminium Nitrate Nonahydrate, ACS Grade	TK.930112	29
Aluminium Oxide, Extra Pure	TK.200720	29
Aluminium Potassium Sulfate Dodecahydrate, Extra Pure	TK.930105	29
Aluminium Sulfate, Extra Pure	TK.200710	29
Ammonia % 10 Solution	TK.400038	102
Ammonia Solution % 9,7	TK.400037	103
Ammonia Solution %25, Extra Pure	TK.010010	30
Ammonia Solution 0.1 N	TK.400035	102
Ammonia Solution 1 N	TK.400036	102
Ammonium Acetate, Extra Pure	TK.190611	30
Ammonium Bicarbonate, Extra Pure	TK.201795	30
Ammonium Chloride % 10 Solution	TK.400043	103
Ammonium Chloride % 25 Solution	TK.400044	103
Ammonium Chloride, Extra Pure	TK.200730	30
Ammonium Dichromate Gr for Analysis	TK.930070	31
Ammonium Dihydrogen Phosphate (Saturated) Solution	TK.400042	103
Ammonium Dihydrogen Phosphate, ACS Grade	TK.930113	31
Ammonium Heptamolybdate Tetrahydrate, Analytic grade	TK.930263	31
Ammonium Iron (II) Sulfate 0,1 N Solution	TK.400039	103
Ammonium Iron (III) Sulfate % 40 Solution	TK.400041	103
Ammonium Iron (III) Sulfate 0,1 N Solution	TK.400040	103
Ammonium Iron(III) Sulfate (Ammonium ferrous) Hexahydrate, ACS Grade	TK.930114	31
Ammonium Peroxodisulfate (Persulfate), ACS Grade	TK.930115	32
Ammonium Sulfate, Extra Pure	TK.010020	32
Ammonium Test Kit	TK.400002	130
Ammonium Thiocyanate Solution 0,1 N	TK.400046	104
Ammonium Thiocyanate Solution 1 N	TK.400047	104
Ammonium Thiocyanate, Extra Pure	TK.930116	33
ARB Staining Kit (Ziehl Neelsen)	TK.400048	104
Arsenic Test Kit	TK.400003	130
Barium Carbonate, Extra Pure	TK.201130	33
Barium Chloride Dihydrate, Extra Pure	TK.090209	33
Barium Chloride Solution % 10	TK.400069	104
Barium Chloride Solution 0,1M	TK.400067	104
Barium Chloride Solution 0,1N	TK.400066	104
Barium Chloride Solution 0,5M	TK.400068	104
Barium Nitrate, Extra Pure	TK.201797	34



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Benedict Solution	TK.400070	104
Benzaldehyde, Extra Pure	TK.201772	34
Benzalkonium Chloride (with %50 H <sub>2</sub> O), Extra Pure	TK.201770	34
Benzoic Acid, Extra Pure	TK.200760	34
Benzophenone for Synthesis	TK.930117	35
Benzoyl Chloride for Synthesis	TK.930118	35
Benzyl Alcohol, Extra Pure	TK.201771	35
Biuret Solution	TK.400071	104
Boric Acid % 3 Solution	TK.400072	104
Boric Acid % 4 Solution	TK.400073	104
Boric Acid % 4 Solution (indicator)	TK.400074	105
Boric Acid, Extra Pure	TK.020100	35
Boss Solution	TK.400075	105
Bouin's Solution	TK.930171	105
Bromocresol Green Indicator Solution	TK.400076	105
Bromocresol Green Indicator, Analytic Grade	TK.930120	36
Bromocresol Green-Methyl Red (Misch indicator 4.5)	TK.400197	105
Bromocresol Purple Indicator Solution	TK.400077	105
Bromocresol Purple Indicator, Analytic Grade	TK.930121	36
Bromophenol Blue Indicator Solution	TK.400078	106
Bromophenol Blue Indicator, Analytic Grade	TK.930122	36
Bromothymol Blue Indicator Solution	TK.400079	106
Bromothymol Blue Indicator, Analytic Grade	TK.930123	36
2-Butanol (sec-Butanol), Extra Pure	TK.930124	36
Buffer Capsules pH:4,00 (+/-0,05)	TK.930083	37
Acetic Acid %80, Extra Pure	TK.010040	26
Acetic Acid (Glacial) %99-100, Extra Pure	TK.010030	26
Acetic Acid Solution % 1	TK.400052	102
Acetic Acid Solution % 3	TK.400053	102
Acetic Acid Solution % 5	TK.400054	102
Acetic Acid Solution 0,1N	TK.400049	102
Acetic Acid Solution 1 N	TK.400050	102
Acetic Acid Solution 5 N	TK.400051	102
Aceto Orcein Solution	TK.400057	102
Acetocarmine Solution	TK.400056	102
Acetone Alcohol	TK.400055	102
Acetone, ACS Grade	TK.911013	27
Acetone, Extra Pure	TK.010050	26
Acetonitrile % 99,9 for Synthesis, Extra Pure	TK.930109	28
Acetonitrile, Extra Pure	TK.930107	27
Acetonitrile, HPLC Grade	TK.930108	27
Acide Alcohol	TK.400058	102
Acidity Test Kit	TK.400004	130
Adipic Acid, Extra Pure	TK.201793	28
Alcian Blue pH 2,5 Solution	TK.930165	102
Alkalinity Test Kit	TK.400001	130
Aluminium Chloride Hexahydrate, Extra Pure	TK.930111	28
Aluminium Hydroxide (Powder), Extra Pure	TK.201773	28
Aluminium Nitrate Nonahydrate, ACS Grade	TK.930112	29
Aluminium Oxide, Extra Pure	TK.200720	29
Aluminium Potassium Sulfate Dodecahydrate, Extra Pure	TK.930105	29
Aluminium Sulfate, Extra Pure	TK.200710	29
Ammonia % 10 Solution	TK.400038	102
Ammonia Solution % 9,7	TK.400037	103
Ammonia Solution %25, Extra Pure	TK.010010	30
Ammonia Solution 0.1 N	TK.400035	102
Ammonia Solution 1 N	TK.400036	102
Ammonium Acetate, Extra Pure	TK.190611	30
Ammonium Bicarbonate, Extra Pure	TK.201795	30
Ammonium Chloride % 10 Solution	TK.400043	103
Ammonium Chloride % 25 Solution	TK.400044	103
Ammonium Chloride, Extra Pure	TK.200730	30
Ammonium Dichromate Gr for Analysis	TK.930070	31
Ammonium Dihydrogen Phosphate (Saturated) Solution	TK.400042	103
Ammonium Dihydrogen Phosphate, ACS Grade	TK.930113	31
Ammonium Heptamolybdate Tetrahydrate, Analytic grade	TK.930263	31
Ammonium Iron (III) Sulfate 0,1 N Solution	TK.400039	103
Ammonium Iron (III) Sulfate % 40 Solution	TK.400041	103
Ammonium Iron (III) Sulfate 0,1 N Solution	TK.400040	103
Ammonium Iron(II) Sulfate (Ammonium ferrous) Hexahydrate, ACS Grade	TK.930114	31
Ammonium Peroxodisulfate (Persulfate), ACS Grade	TK.930115	32
Ammonium Sulfate, Extra Pure	TK.010020	32
Ammonium Test Kit	TK.400002	130
Ammonium Thiocyanate Solution 0,1 N	TK.400046	104
Ammonium Thiocyanate Solution 1 N	TK.400047	104

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Ammonium Thiocyanate, Extra Pure	TK.930116	33
ARB Staining Kit (Ziehl Neelsen)	TK.400048	104
Arsenic Test Kit	TK.400003	130
Barium Carbonate, Extra Pure	TK.201130	33
Barium Chloride Dihydrate, Extra Pure	TK.090209	33
Barium Chloride Solution % 10	TK.400069	104
Barium Chloride Solution 0,1M	TK.400067	104
Barium Chloride Solution 0,1N	TK.400066	104
Barium Chloride Solution 0,5M	TK.400068	104
Barium Nitrate, Extra Pure	TK.201797	34
Benedict Solution	TK.400070	104
Benzaldehyde, Extra Pure	TK.201772	34
Benzalkonium Chloride [with %50 H2O], Extra Pure	TK.201770	34
Benzoic Acid, Extra Pure	TK.200760	34
Benzophenone for Synthesis	TK.930117	35
Benzoyl Chloride for Synthesis	TK.930118	35
Benzyl Alcohol, Extra Pure	TK.201771	35
Biuret Solution	TK.400071	104
Boric Acid % 3 Solution	TK.400072	104
Boric Acid % 4 Solution	TK.400073	104
Boric Acid % 4 Solution (indicator)	TK.400074	105
Boric Acid, Extra Pure	TK.020100	35
Boss Solution	TK.400075	105
Bouin's Solution	TK.930171	105
Bromocresol Green Indicator Solution	TK.400076	105
Bromocresol Green Indicator, Analytic Grade	TK.930120	36
Bromocresol Green-Methyl Red (Misch indicator 4.5)	TK.400197	105
Bromocresol Purple Indicator Solution	TK.400077	105
Bromocresol Purple Indicator, Analytic Grade	TK.930121	36
Bromophenol Blue Indicator Solution	TK.400078	106
Bromophenol Blue Indicator, Analytic Grade	TK.930122	36
Bromothymol Blue Indicator Solution	TK.400079	106
Bromothymol Blue Indicator, Analytic Grade	TK.930123	36
2-Butanol (sec-Butanol), Extra Pure	TK.930124	36
Buffer Capsules pH:4,00 (+/-0,05)	TK.930083	37
Ezn Color Staining Kit (Methylene Blue, Fuchsin, Acid Alcohol)	TK.400115	110
Fehling A (Medical)	TK.400116	110
Fehling A-1 (invert sugar) (Food)	TK.400118	111
Fehling B (Medical)	TK.400117	111
Fehling B-1 (invert sugar) (Food)	TK.400119	111
Ferrioin Indicator solution	TK.400125	111
Fluorescein Indicator Solution	TK.400126	111
Formaldehyde - Acetic Acid Solution	TK.930169	111
Formaldehyde - Alcoholic Solution	TK.930170	111
Formaldehyde Solution %10 (Stabilized min. %1 Methanol) Pathology & Histology, Extra Pure	TK.030408	52
Formaldehyde Solution %10 Buffered pH:6,8-7,2 (min. %1 Methanol) Pathology & Histology, Extra Pure	TK.060161	52
Formaldehyde Solution %2,0 (Stabilized min. %1 Methanol) Pathology & Histology, Extra Pure	TK.310708	52
Formaldehyde Solution %3,0 (Stabilized min. %1 Methanol) Pathology & Histology, Extra Pure	TK.310707	52
Formaldehyde Solution %37 (Stabilized min. %10 Methanol), ACS Grade	TK.911012	53
Formaldehyde Solution %37 (Stabilized min. %10 Methanol), Extra Pure	TK.060160	53
Formaldehyde Solution %37 (Tamp. PH :6,9-7,1) (Sta.min. %10 Methanol) Pathology & Histology, Extra Pure	TK.060162	53
Formamide for Synthesis	TK.930134	53
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Free Chlorine (activated Chlorine) o-toluidine method Test Kit	TK.400089	131
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Fuchsin Solutions (in alcohol) %1	TK.400130	111
Fuchsin with Water Solution	TK.400328	112
Gentian Violet Solution	TK.400168	112
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Glass Cleaner Solution	TK.400081	112
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Glycine, Extra Pure	TK.930135	56
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Greis Hofferay (for Nitrite)	TK.400138	112
Harris Hematoxylin	TK.930160	112
Hayem Solution for Counting (of erythrocytes)	TK.400140	112
Hemoglobin Solution	TK.400141	113
Hexahydrate, Zinc Oxide, Extra Pure	TK.030110	101
Hexane (mix.of isomers), Extra Pure	TK.080210	57

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Hyamine Solution 0.004 M	TK.400157	113
Hyamine Solution 0.005 M	TK.400158	113
Hydrochloric Acid % 1	TK.400151	113
Hydrochloric Acid % 10	TK.400152	113
Hydrochloric Acid % 15	TK.400153	113
Hydrochloric Acid % 25	TK.400154	113
Hydrochloric Acid % 30	TK.400155	113
Hydrochloric Acid 0.01N	TK.400143	113
Hydrochloric Acid 0.1N	TK.400144	113
Hydrochloric Acid 0.1N	TK.400145	113
Hydrochloric Acid 0.2N	TK.400146	113
Hydrochloric Acid 0.5N	TK.400147	113
Hydrochloric Acid 1N	TK.400148	113
Hydrochloric Acid 4N	TK.400149	113
Hydrochloric Acid 6N	TK.400150	113
Hydrochloric Acid %30-32, Extra Pure	TK.080230	57
Hydrochloric Acid %37, ACS Grade	TK.911011	58
Hydrochloric Acid %37, Analytic Grade	TK.080231	58
Hydrogen Peroxide % 3 (Catalase Reagent)	TK.400142	113
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Hydrogen Peroxide %35 (Perhydrol), Extra Pure	TK.060408	56
Hydrogen Peroxide %50, Extra Pure	TK.080220	56
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Hydroxylamine Hydrochloride % 10	TK.400156	113
Immersion Oil for Microscopy	TK.930090	59
Indicator B Solution	TK.400160	113
Indigo Carmine	TK.400161	113
Indole-3-Butyric acid for Biochemistry	TK.930136	59
Iodine Monobromide (Hanus) Solution	TK.400167	114
Iodine Resublimed, Extra Pure	TK.200800	61
Iodine Solutions 0.01N	TK.400162	114
Iodine Solutions 0.02N (0.01M)	TK.400164	114
Iodine Solutions 0.05N	TK.400165	114
Iodine Solutions 0.1N (0.05M)	TK.400166	114
Iodine Solutions N/64	TK.400163	114
Iron (III) Sulfate Heptahydrate, Extra Pure	TK.200790	59
Iron (III) Sulfate Solution 0,1 N	TK.400097	114
Iron (III) Sulphate Heptahydrate (Ferrous Sulphate) % 98.5. Analytic grade	TK.200791	59
Iron (III) Chloride %40 Solution, Extra Pure	TK.200633	60
Iron (III) Chloride Anhydrous, Extra Pure	TK.200690	60
Iron (III) Chloride Solution % 10	TK.400096	114
Iron (III) Chloride Solution 0,2 M	TK.400093	114
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Iron (III) Chloride Solution 1N	TK.400095	114
Iron (III) Nitrate Nonahydrate, Extra Pure	TK.201775	58
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Isoamyl Alcohol (for synthesis and milk testing), Extra Pure	TK.930071	61
Isobutanol, Extra Pure	TK.201801	61
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Lead (II) Acetate Trihydrate, Extra Pure	TK.201040	62
Lead (II) Nitrate, Extra Pure	TK.201041	63
Lead (II) Oxide, Extra Pure	TK.201044	63
Lead acetate % 20 Solution	TK.400178	115
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Light Green, Extra Pure	TK.201043	63
Lithium Carbonate, Extra Pure	TK.201043	63
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Magnesium Carbonate, Extra Pure	TK.201776	64
Magnesium Chloride Hexahydrate, Extra Pure	TK.120290	64
Magnesium Foil	TK.120291	64
Magnesium Nitrate Hexahydrate, Extra Pure	TK.120300	64
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Magnesium Sulfate Heptahydrate, Extra Pure	TK.120310	65
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Malachite Green Solution	TK.400186	115
Mangan Sulfate 1M	TK.400187	115
Manganese (II) Sulfate Monohydrate, Extra Pure	TK.920090	65
Manganese (IV) Oxide, Extra Pure	TK.200950	65
Manganese Test Kit	TK.400013	132
Mannitol (for Boric acid determination)	TK.400183	115
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Mayer Hematoxylin	TK.930161	116
M-Cresol Purple Solution Ph:[1.2-2.8] & [7.4-9]	TK.400189	116
M-Cresol, Extra Pure	TK.930129	45
Mercury (II) Chloride Solution %4	TK.400086	116
Mercury (II) Chloride Solution %5	TK.400087	116
Mercury (II) Chloride, Extra Pure	TK.930139	66
Mercury (II) Nitrate Monohydrate, Extra Pure	TK.930140	66
Mercury (II) Sulfate, Extra Pure	TK.930141	66
Methanol, ACS Grade	TK.911022	66
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Methyl Red pH indicator [C.I.13020]	TK.930075	68
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Methylene Blue Solutions (Solution in water)	TK.400191	116
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Murexide (Ammonium Purpurate), Analytic, ACS Grade	TK.930142	69
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Nessler Reactive	TK.400199	117
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Neutralin Formalin	TK.400214	117
N-Heptane, Extra Pure	TK.080211	57
Nickel (II) Chloride Hexahydrate, Extra Pure	TK.200220	70
Nickel (II) Sulfate Hexahydrate, Extra Pure	TK.200221	70
Nickel Solution ( %9.7 Ammonia , Dimethylglyoxim)	TK.400200	117
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Nitric Acid %55-57, Extra Pure	TK.130340	70
Nitric Acid %65, Extra Pure	TK.130341	71
Nitric Acid Solutions % 10	TK.400209	118
Nitric Acid Solutions % 25	TK.400210	118
Nitric Acid Solutions % 30	TK.400211	118
Nitric Acid Solutions % 33	TK.400212	118
Nitric Acid Solutions 0.1N	TK.400205	118
Nitric Acid Solutions 0.1N	TK.400206	118
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Oxalic acid 1N	TK.400218	118
Oxalic acid 0.01N	TK.400216	118
Oxalic acid 0.1N	TK.400217	118
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Papanicolaou EA 65 Solution	TK.930163	119
Papanicolaou OG 6 Solution	TK.930163	119
Paraffin Pellets, Melting point 56-58°C for Pathology & Histology, Extra Pure	TK.200661	71
Perchloric Acid 0.1N	TK.400222	119
Perchloroethylene (Tetrachloroethylene), Extra Pure	TK.120332	72
Petroleum Benzine 40-60°C, Extra Pure	TK.150370	72
Ph Buffer Solutions PH:1.00 - PH:2.00 - PH:3.00 - PH:4.00- PH:4.2- PH:5- PH:6- PH:7- PH:8- PH:9- PH:10	TK.400349	120
pH Test Kit (for pool)	TK.400018	132
Phenol (Crystallized) Gr for Analysis	TK.201122	72
Phenol (Crystallized), ACS grade	TK.201123	73
Phenol Red Indicator Gr for Analysis	TK.930093	72
Phenol Red Indicator Solution	TK.400120	120
Phenolphthalein Indicator (Powder)	TK.930094	73
Phenolphthalein Indicator Solution	TK.400121	120
2-Phenoxyethanol, Extra Pure	TK.201121	73
Phosphate Test Kit	TK.400007	132
Phosphoric Acid 0.1N	TK.400128	120
Polyglycol PEG-1500, Extra Pure	TK.201805	74
Polyglycol PEG-300, Extra Pure	TK.150380	74
Polyglycol PEG-400, Extra Pure	TK.150390	74
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Potassium Bromide 0.1N	TK.400224	121
Potassium Bromide, Extra Pure	TK.201777	75
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Potassium Carbonate, Analytic Grade	TK.150430	76
Potassium Carbonate, Extra Pure	TK.150431	76
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Potassium Chloride Solution (0.01M, 0.1M, 3M)	TK.400260	121
Potassium Chloride, Extra Pure	TK.150440	76
Potassium Chromate (0.1N, %5, %10)	TK.400264	121
Potassium Chromate, Extra Pure	TK.930069	77
Potassium Dichromate Solutions (0.1N, 0.25N, 0.0167M (Mercury sulf), 1N, %5, %10)	TK.400226	121
Potassium Dichromate, Extra Pure	TK.150400	77
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Potassium Ferricyanide (K3) % 10	TK.400233	121
Potassium Ferrocyanide (K4) % 10	TK.400232	121
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Potassium Hexacyanoferrate (III), Extra Pure	TK.200991	77
Potassium Hydroxide (Alcohol) (0.1N, 0.2N, 0.5N, 1N)	TK.400247	122
Potassium Hydroxide (flakes), Extra Pure	TK.150410	78
Potassium Hydroxide (IPA) ( 0.1N, 0.5N)	TK.400251	122
Potassium Hydroxide (pellets), Analytic Grade	TK.150411	78
Potassium Hydroxide Solutions (0.01N, 0.1N, 0.5N, 1N, %1, %5, %10, %15, %20, %32, %40, %50)	TK.400235	122
Potassium Iodate (0.05M, 0.1N)	TK.400253	122
Potassium Iodate, Extra Pure	TK.200981	78
Potassium Iodide (0.1N, %10, %5)	TK.400255	122
Potassium Iodide, Extra Pure	TK.200980	79
Potassium Iodide-Iodate (0.0125N, 0.005N)	TK.400258	123
Potassium Nitrate (0.1N, %10)	TK.400269	123
Potassium Oxalate	TK.400271	123
Potassium Permanganate, Extra Pure	TK.930079	79
Potassium Sodium Tartrate Tetrahydrate Gr for Analysis	TK.200230	79
Potassium Sorbate, Extra Pure	TK.200970	79
Potassium Sulfate % 10 Solution	TK.400277	123
Potassium Sulfate, Extra Pure	TK.081008	80
1,2 -Propanediol (Monopropylene glycol), Extra Pure	TK.800600	80
1-Propanol (n-Propanol), Extra Pure	TK.201789	81
Potassium Thiocyanate (Rhodanide) (0.1N, %1, %2, %10)	TK.400273	123
Potassium Tripolyphosphate, Extra Pure	TK.930080	80
P-Phenylenediamine % 2	TK.400221	123
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Reticulocyte Solution	TK.400279	124
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Rivalta	TK.400281	124
Rosalic Acid % 1	TK.400284	124
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Sea Sand (40-150 mesh), Analytic Grade	TK.930266	81
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Silica Gel with humidity indicator (Blue), Extra Pure	TK.170480	82
Silica Gel with humidity indicator (Orange) Extra Pure	TK.170481	82
Silica Gel with humidity indicator (White), Extra Pure	TK.930101	82
Silis Test Kit	TK.400022	132
Silver Nitrate Solutions (0.01N, 0.1N, 0.5N, %1)	TK.400131	125
Silver Nitrate, Extra Pure	TK.920049	82
Silver Sulfate (Sulfuric acid) Solution	TK.400136	125
Soap Solution	TK.400285	125
Sodium Acetate 0.25M	TK.400291	125
Sodium Acetate Trihydrate, Extra Pure	TK.170500	83
Sodium Azide Analytic, ACS Grade	TK.930150	83
Sodium Benzoate, Extra Pure	TK.201030	83
Sodium Bicarbonate % 10	TK.400292	125
Sodium Borohydride, Extra Pure	TK.930102	83
Sodium Bromide, Extra Pure	TK.201779	83
Sodium Carbonate (%1, %2, %5)	TK.400310	126
Sodium Carbonate, Extra Pure	TK.170530	84
Sodium Chlorate, Extra Pure	TK.920079	84
Sodium Chloride 0.1N	TK.400313	126
Sodium Chloride Gr For Analysis	TK.930095	84
Sodium Chloride, Extra Pure	TK.170540	84
Sodium Chromate % 2	TK.400314	126
Sodium Citrate Solution % 3.8	TK.400319	126
Sodium Cyanide, Extra Pure	TK.201780	85
Sodium Dichromate Dihydrate, Extra Pure	TK.170550	85
Sodium Dihydrogen Phosphate (Dihydrate) Extra Pure, Bp, PhEur, Usp, E 339	TK.930104	87
Sodium Fluoride, Extra Pure	TK.201031	85
Sodium Gluconate, Extra Pure	TK.201807	86
Sodium Hexametaphosphate, Extra Pure	TK.920056	86
Sodium Hydrogen Carbonate / Sodium Bicarbonate (Food grade), Extra Pure	TK.170531	86
Sodium Hydrogen Sulfate, Extra Pure	TK.201778	87
Sodium Hydroxide (Granulles), Extra Pure	TK.170511	87
Sodium Hydroxide (Pellet) Analytic, ACS grade	TK.170512	88
Sodium Hydroxide Solution >=%45, Extra Pure	TK.200632	88
Sodium Hydroxide Solutions %1	TK.400303	126
Sodium Hydroxide Solutions %10	TK.400304	126
Sodium Hydroxide Solutions %20	TK.400305	126
Sodium Hydroxide Solutions %25	TK.400306	126
Sodium Hydroxide Solutions %33	TK.400307	126
Sodium Hydroxide Solutions %40	TK.400308	126
Sodium Hydroxide Solutions 0.01N	TK.400293	126
Sodium Hydroxide Solutions 0.1N	TK.400294	126
Sodium Hydroxide Solutions 0.1N	TK.400295	126
Sodium Hydroxide Solutions 0.25N	TK.400296	126
Sodium Hydroxide Solutions 0.5N	TK.400297	126
Sodium Hydroxide Solutions 1N	TK.400298	126
Sodium Hydroxide Solutions 2N	TK.400299	126
Sodium Hydroxide Solutions 4N	TK.400300	126
Sodium Hydroxide Solutions 5N	TK.400301	126
Sodium Hydroxide Solutions 6N	TK.400302	126
Sodium Hydroxide, Pearl (Pharma grade), Extra Pure	TK.170510	88
Sodium Hypochlorite %6-14, Extra Pure	TK.170520	89
Sodium Iodide, Extra Pure	TK.201110	89
Sodium Lauryl (Dodecyl) Sulfate, Extra Pure	TK.930151	89
Sodium Metabisulfite (Sodium Disulfite), Extra Pure	TK.181207	89
Sodium Metaperiodate % 1.5	TK.400317	126
Sodium Metasilicate Anhydrous, Extra Pure	TK.090109	90
Sodium Metasilicate Pentahydrate, Extra Pure	TK.090110	90
Sodium Nitrite 0.1N	TK.400318	126
Sodium Nitrite, Extra Pure	TK.311207	90
Sodium Oxalate, Extra Pure	TK.930152	90
Sodium Rod (with protective paraffin oil)	TK.800101	91
Sodium Stearate, Extra Pure	TK.930081	91
Sodium Sulfate (Anhydrous), Extra Pure	TK.170560	91
Sodium Sulfide, Extra Pure	TK.201782	91
Sodium Sulfite, Extra Pure	TK.201781	92
Sodium Thiosulfate Pentahydrate, Extra Pure	TK.170570	92
Sodium Thiosulfate Solutions (0.002N, 0.01N, 0.05N, 0.1N, 0.5N, 1N)	TK.400320	127
Sodium Tripolyphosphate, Extra Pure	TK.930082	92
Sodyum Lauryl Sulfate (0.002M, 0.004M)	TK.400315	126
Sperm Count Solution	TK.400326	127

Product Name	Product No.	Page No.
Standart Solutions (Gr / Ml / ppm)	TK.400348	127
Starch (corn), Extra Pure	TK.920086	92
Starch Determine Solution	TK.400139	127
Starch-Amidon Solution	TK.400203	127
Stearic Acid, Extra Pure	TK.201060	93
Strontium Carbonate, Extra Pure	TK.201808	93
Strontium Nitrate, Extra Pure	TK.201809	93
Succinic acid, Extra Pure	TK.930153	93
Sudan (III) Solution	TK.400327	127
Sulfamic Acid (Amidosulfonic acid), Extra Pure	TK.201050	94
Sulfanilic Acid Indicator Solution	TK.400329	127
Sulfate Test Kit	TK.400024	132
Sulfite Test Kit	TK.400025	133
Sulfosalicylic Acid Solution % 20 (for Albumin)	TK.400330	128
Sulfur Test Kit	TK.400026	133
Sulfur, Extra Pure	TK.201020	94
Sulfuric Acid %62 (d: 1,52 g / cm <sup>3</sup> ), Extra Pure	TK.930086	94
Sulfuric Acid %65 (d: 1,55 g / cm <sup>3</sup> ), Extra Pure	TK.201786	94
Sulfuric Acid %90-91 (d: 1,82 g / cm <sup>3</sup> ), Extra Pure	TK.201785	95
Sulfuric Acid %95-98, Extra Pure	TK.170581	95
Sulfuric Acid Solutions ( %5, %10, %20, %25, %50, %60, %75)	TK.400341	128
Sulfuric Acid Solutions (0.1N, 0.25N, 0.5N, 1N, 2N, 5N, d=1.52 g/ml, d=1.55 g/ml, d=1.82 g/ml)	TK.400331	128
Talcum (Powder)	TK.201070	95
Tannic Acid (Tannin), Extra Pure	TK.201783	95
Tanret Solution	TK.400364	134
Tashiro's Indicator Solution	TK.400365	134
Tetrahydrofuran Analytic, ACS Grade	TK.930154	96
Thiourea, Extra Pure	TK.190612	96
Thrombocyte Solution	TK.400374	134
Thymol Blue Indicator	TK.930155	96
Thymol Blue Indicator Solution	TK.400366	134
ThymolPhtalein	TK.400367	134
Tin chloride Indicator Solution	TK.400169	128
Titanium (IV) Oxide, Extra Pure	TK.920094	97
Tollens' Reagent	TK.400369	134
Toluene, ACS Grade	TK.911021	97
Toluene, Extra Pure	TK.170590	97
Total Chlorine Dpd method Test Kit	TK.400021	133
Total Hardness Test Kit	TK.400027	133
Tri-Calcium Phosphate, Extra Pure	TK.201810	98
Trichloroacetic Acid (%5, %20, %35, %50)	TK.400370	128
Trichloroethylene, Extra Pure	TK.180600	98
Triethanolamine (TEA), Extra Pure	TK.800500	98
Tri-Potassium Citrate Monohydrate, Extra Pure	TK.200631	80
Tri-Sodium Citrate Dihydrate, Extra Pure	TK.920091	85
Tri-Sodium Phosphate Dodecahydrate, Extra Pure	TK.050208	91
Triton X-100 for Biochemistry	TK.930156	97
Türk'S solution for Leucocyte Counting	TK.400375	135
Universal Ph (4-10)	TK.400376	135
Urea, Extra Pure	TK.190610	98
Vaseline - LIQUID (Pharma Grade), Extra Pure	TK.200630	98
Vaseline - SOLID (Paraffin 53-58°C), Extra Pure	TK.200620	99
Water Distillated, Extra Pure	TK.920047	99
Water Ultra Pure for High-performance liquid chromatography (HPLC Grade)	TK.911010	99
Wright Eosin Methylene Blue	TK.400377	135
Xylene (mixture of isomers), ACS Grade	TK.911020	100
Xylene (mixture of isomers), Extra Pure	TK.090270	99
Xylenol Orange	TK.400378	135
Xylenol Orange, Analytic Grade	TK.930157	100
Zenker's Solution	TK.930173	129
Zimmerman-Reinhart Solution	TK.400379	135
Zinc (metal) dust 325 mesh, Extra Pure	TK.930158	101
Zinc Acetate Dihydrate, Extra Pure	TK.201799	100
Zinc Chloride Solution 0,1 N	TK.400089	135
Zinc Chloride, Extra Pure	TK.800000	100
Zinc Fixative	TK.930174	129
Zinc Nitrate Hexahydrate, Extra Pure	TK.920085	101
Zinc Sulfate Heptahydrate, Extra Pure	TK.030120	101
Zinc Sulfate Solution (0,1 N, 0.25N)	TK.400090	129



## Precautionary Statements

EUH001	Kuru haldeyken patlayıcıdır.
EUH001	Explosive when dry.
EUH006	Hava ile teması halinde ve havasız ortamda patlayıcıdır.
EUH006	Explosive with or without contact with air.
EUH014	Su ile şiddetli tepkime verir.
EUH014	Reacts violently with water.
EUH018	Kullanım sırasında alevlenen / patlayan buhar-hava karışımı oluşturabilir.
EUH018	In use may form flammable/explosive vapour-air mixture.
EUH019	Patlayıcı peroksitler oluşturabilir.
EUH019	May form explosive peroxides.
EUH029	Su ile temasında toksik gaz çıkarır.
EUH029	Contact with water liberates toxic gas.
EUH031	Asitlerle temasında toksik gaz çıkarır.
EUH031	Contact with acids liberates toxic gas.
EUH032	Asitlerle temasında çok toksik gaz çıkarır.
EUH032	Contact with acids liberates very toxic gas.
EUH044	Kapalı ortamda ısıtıldığında patlama riski var.
EUH044	Risk of explosion if heated under confinement.
EUH059	Ozon tabakası için tehlikeli
EUH059	Hazardous to the ozone layer.
EUH066	Tekrarlı maruz kalmalarda ciltte kuruluğa ve çatlaklara neden olabilir.
EUH066	Repeated exposure may cause skin dryness or cracking.
EUH070	Gözle teması halinde toksiktir.
EUH070	Toxic by eye contact.
EUH071	Solunum yolunda aşınmaya yol açar.
EUH071	Corrosive to the respiratory tract.
EUH201	Kurşun içerir. Çocuklar tarafından çiğnenebilecek veya emilebilecek yüzeyler üzerinde kullanılmamalıdır.
EUH201	Contains lead. Should not be used on surfaces liable to be chewed or sucked by children.
EUH201A	Kurşun içerir. Çocuklar tarafından çiğnenebilecek veya emilebilecek yüzeyler üzerinde kullanılmamalıdır. Dikkat! Kurşun içerir.
EUH201A	Warning! Contains lead.
EUH202	Siyanoakrilat. Tehlikelidir. Cildi ve gözleri saniyeler içinde yapıştırır. Çocukların erişiminden uzak tutun.
EUH202	Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.
EUH203	Krom (VI) içerir. Alerjik reaksiyonlara neden olabilir.
EUH203	Contains chromium (VI). May produce an allergic reaction.
EUH204	İzosiyanat içerir. Alerjik reaksiyonlara yol açabilir.
EUH204	Contains isocyanates. May produce an allergic reaction.
EUH205	Epoksi bileşenleri içerir. Alerjik reaksiyonlara yol açabilir.
EUH205	Contains epoxy constituents. May produce an allergic reaction.
EUH206	Dikkat! Diğer ürünlerle birlikte kullanmayın. Tehlikeli gazlar açığa çıkarabilir (klorür).
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).
EUH207	Dikkat! Kadmium içerir. Kullanım esnasında tehlikeli dumanlar ortaya çıkar. İmalatçı tarafından sağlanan bilgilere başvurun. Güvenlik talimatlarına uyun.
EUH207	Warning! Contains cadmium. Dangerous fumes are formed during use. See information supplied by the manufacturer. Comply with the safety instructions.
EUH208	(Hassaslaştırıcı maddenin ismi) içerir. Alerjik reaksiyona yol açabilir.
EUH208	Contains <name of sensitising substance>. May produce an allergic reaction.
EUH209	Kullanım esnasında çok alevlenir hale gelebilir.
EUH209	Can become highly flammable in use.
EUH209A	Kullanım esnasında alevlenir hale gelebilir.
EUH209A	Can become flammable in use.
EUH210	Talep halinde güvenlik bilgi formu sağlanabilir.
EUH210	Safety data sheet available on request.
EUH401	İnsan sağlığına ve çevreye yönelik riskleri önlemek için, kullanma talimatlarına uyun.
EUH401	To avoid risks to human health and the environment, comply with the instructions for use.
H200	Kararsız patlayıcı.
H200	Unstable explosive
H201	Patlayıcı; kütleli patlama zararı.
H201	Explosive; mass explosion hazard
H202	Patlayıcı; ciddi yansıtım zararı.
H202	Explosive; severe projection hazard
H203	Patlayıcı; yangın, patlama veya yansıtım zararı.
H203	Explosive; fire, blast or projection hazard
H204	Yangın veya yansıtım zararı.
H204	Fire or projection hazard
H205	Yangında kütleli patlamaya yol açabilir.
H205	May mass explode in fire
H220	Çok kolay alevlenir gaz.
H220	Extremely flammable gas
H221	Alevlenir gaz.
H221	Flammable gas
H222	Çok kolay alevlenir aerosol.
H222	Extremely flammable aerosol
H223	Alevlenir aerosol.
H223	Flammable aerosol
H224	Çok kolay alevlenir sıvı ve buhar.
H224	Extremely flammable liquid and vapour
H225	Kolay alevlenir sıvı ve buhar.
H225	Highly flammable liquid and vapour

## Precautionary Statements

H226	Alevlenir sıvı ve buhar.
H226	Flammable liquid and vapour
H227	Combustible liquid
H228	Alevlenir katı.
H228	Flammable solid
H229	Pressurized container: may burst if heated
H230	May react explosively even in the absence of air
H231	May react explosively even in the absence of air at elevated pressure and/or temperature
H240	Isıtma patlamaya yol açabilir.
H240	Heating may cause an explosion
H241	Isıtma yangına veya patlamaya yol açabilir.
H241	Heating may cause a fire or explosion
H242	Isıtma yangına yol açabilir.
H242	Heating may cause a fire
H250	Hava ile temas ettiğinde ani yangınlara yol açabilir.
H250	Catches fire spontaneously if exposed to air
H251	Kendiliğinden ısınır; alev alabilir.
H251	Self-heating; may catch fire
H252	Büyük miktarlarda kendiliğinden ısınır; yangına yol açabilir.
H252	Self-heating in large quantities; may catch fire
H260	Su ile temas ettiğinde kendiliğinden tutuşabilen yanıcı gazlar yayar.
H260	In contact with water releases flammable gases which may ignite spontaneously
H261	Su ile temas ettiğinde yanıcı gazlar yayar.
H261	In contact with water releases flammable gas
H270	Yangına yol açabilir veya yangını şiddetlendirebilir; oksitleyici.
H270	May cause or intensify fire; oxidizer
H271	Yangına veya patlamaya yol açabilir; güçlü oksitleyici.
H271	May cause fire or explosion; strong oxidizer
H272	Yangını güçlendirebilir; oksitleyici.
H272	May intensify fire; oxidizer
H280	Basınçlı gaz içerir; ısıtıldığında patlayabilir.
H280	Contains gas under pressure; may explode if heated
H281	Soğutulmuş gaz içerir; soğuktan yanma veya yaralanmalara yol açabilir.
H281	Contains refrigerated gas; may cause cryogenic burns or injury
H290	Metalleri aşındırabilir.
H290	May be corrosive to metals
H300	Yutulması halinde öldürücüdür.
H300	Fatal if swallowed
H300+H310	Yutulması halinde veya ciltle teması halinde öldürücüdür.
H300+H310	Fatal if swallowed or in contact with skin
H300+H310+H330	Yutulduğunda, ciltle temas ettiğinde veya solunduğunda öldürücüdür.
H300+H310+H330	Fatal if swallowed, in contact with skin or if inhaled
H300+H330	Yutulduğunda veya solunduğunda öldürücüdür.
H300+H330	Fatal if swallowed or if inhaled
H301	Yutulması halinde toksiktir.
H301	Toxic if swallowed
H301+H311	Yutulması halinde veya ciltle teması halinde toksiktir.
H301+H311	Toxic if swallowed or in contact with skin
H301+H311+H331	Yutulduğunda, ciltle temas ettiğinde veya solunduğunda toksiktir.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled
H301+H331	Yutulduğunda veya solunduğunda toksiktir.
H301+H331	Toxic if swallowed or if inhaled
H302	Yutulması halinde zararlıdır.
H302	Harmful if swallowed
H302+H312	Yutulması halinde veya ciltle teması halinde zararlıdır.
H302+H312	Harmful if swallowed or in contact with skin
H302+H312+H332	Yutulduğunda, ciltle temas ettiğinde veya solunduğunda zararlıdır.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled
H302+H332	Yutulduğunda veya solunduğunda zararlıdır.
H302+H332	Harmful if swallowed or if inhaled
H303	Yutulduğunda zararlı olabilir.
H303	May be harmful if swallowed
H303+H313	May be harmful if swallowed or in contact with skin
H303+H313+H333	May be harmful if swallowed, in contact with skin or if inhaled
H303+H333	Yutulduğunda veya solunması halinde zararlı olabilir.
H303+H333	May be harmful if swallowed or if inhaled
H304	Solumun yoluna nüfuzu ve yutulması halinde öldürücüdür.
H304	May be fatal if swallowed and enters airways
H305	Gözle teması halinde:
H305	May be harmful if swallowed and enters airways
H310	Cilt ile teması halinde öldürücüdür.
H310	Fatal in contact with skin
H310+H330	Ciltle temas ettiğinde veya solunduğunda öldürücüdür.
H310+H330	Fatal in contact with skin or if inhaled
H311	Cilt ile teması halinde toksiktir.
H311	Toxic in contact with skin

**Precautionary Statements**

H311+H331	Ciltle temas ettiğinde veya solunduğunda toksiktir.
H311+H331	Toxic in contact with skin or if inhaled
H312	Cilt ile teması halinde zararlıdır.
H312	Harmful in contact with skin
H312+H332	Ciltle temas ettiğinde veya solunduğunda zararlıdır.
H312+H332	Harmful in contact with skin or if inhaled
H313	Cilt ile temasında zararlı olabilir.
H313	May be harmful in contact with skin
H313+H333	May be harmful in contact with skin or if inhaled
H314	Ciddi cilt yanıklarına ve göz hasarına yol açar.
H314	Causes severe skin burns and eye damage
H315	Cilt tahrişine yol açar.
H315	Causes skin irritation
H315+H320	Deri ve göz tahrişine neden olur.
H315+H320	Causes skin and eye irritation
H316	Hafif cilt tahrişine neden olur.
H316	Causes mild skin irritation
H317	Alerjik cilt reaksiyonlarına yol açar.
H317	May cause an allergic skin reaction
H318	Ciddi göz hasarına yol açar.
H318	Causes serious eye damage
H319	Ciddi göz tahrişine yol açar.
H319	Causes serious eye irritation
H320	Causes eye irritation
H330	Solunması halinde öldürücüdür.
H330	Fatal if inhaled
H331	Solunması halinde toksiktir.
H331	Toxic if inhaled
H332	Solunması halinde zararlıdır.
H332	Harmful if inhaled
H333	May be harmful if inhaled
H334	Solunması halinde nefes alma zorlukları, astım nöbetleri veya alerjiye yol açabilir.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	Solunum yolu tahrişine yol açabilir.
H335	May cause respiratory irritation
H336	Rehavete veya baş dönmesine yol açabilir.
H336	May cause drowsiness or dizziness
H340	Genetik hasara yol açabilir.
H340	May cause genetic defects.
H341	Genetik hasara yol açma şüphesi var.
H341	Suspected of causing genetic defects.
H350	Kansere yol açabilir.
H350	May cause cancer.
H350i	Teneffüs edilmesi kansere neden olabilir.
H350i	May cause cancer by inhalation.
H351	Kansere yol açma şüphesi var.
H351	Suspected of causing cancer.
H360	Doğmamış çocukta hasara yol açabilir veya üremeye zarar verebilir.
H360	May damage fertility or the unborn child.
H360D	Doğmamış bebeğe zarar verebilir.
H360D	May damage the unborn child.
H360Df	Doğmamış bebeğe zarar verebilir. Üremeye hasar verme şüphesi.
H360Df	May damage the unborn child. Suspected of damaging fertility.
H360F	Üremeye zarar verebilir.
H360F	May damage fertility.
H360FD	Üremeye zarar verebilir. Doğmamış bebeğe zarar verebilir.
H360FD	May damage fertility. May damage the unborn child.
H360Fd	Üremeye zarar verebilir. Doğmamış bebeğe zarar verebilir.
H360Fd	May damage fertility. May damage the unborn child.
H361	Doğmamış çocukta hasara yol açma veya üremeye zarar verme şüphesi var.
H361	Suspected of damaging fertility or the unborn child.
H361d	Doğmamış bebeğe zararlı olmasından şüphelenilmektedir.
H361d	Suspected of damaging the unborn child.
H361f	Üremeye hasar verme şüphesi.
H361f	Suspected of damaging fertility.
H361fd	Üremeye hasar verebilir. Doğmamış bebeğe zararlı olmasından şüphelenilmektedir.
H361fd	Suspected of damaging fertility. Suspected of damaging the unborn child.
H362	Emzirilen çocuğa zarar verebilir.
H362	May cause harm to breast-fed children
H370	Organlarda hasara yol açar.
H370	Causes damage to organs.
H371	Organlarda hasara yol açabilir.
H371	May cause damage to organs.
H372	Uzun süreli veya tekrarlı maruz kalma sonucu organlarda hasara yol açar.
H372	Causes damage to organs.
H373	Uzun süreli veya tekrarlı maruz kalma sonucu organlarda hasara yol açabilir.

### Precautionary Statements

H373	May cause damage to organs.
H400	Sucul ortamda çok toksiktir.
H400	Very toxic to aquatic life
H401	Sudaki yaşam için zehirlidir
H401	Toxic to aquatic life
H402	Sudaki yaşam için zararlıdır
H402	Harmful to aquatic life
H410	Sucul ortamda uzun süre kalıcı, çok toksik etki.
H410	Very toxic to aquatic life with long lasting effects
H411	Sucul ortamda uzun süre kalıcı, toksik etki.
H411	Toxic to aquatic life with long lasting effects
H412	Sucul ortamda uzun süre kalıcı, zararlı etki.
H412	Harmful to aquatic life with long lasting effects
H413	Sucul ortamda uzun süre kalıcı, zararlı etki yapabilir.
H413	May cause long lasting harmful effects to aquatic life
H420	Atmosferin üst katmanındaki ozon tabakasını tahrip ederek kamu sağlığına ve çevreye zarar verir.
H420	Harms public health and the environment by destroying ozone in the upper atmosphere
P101	Tıbbi tavsiye gerekiyorsa, ambalajı veya etiketi saklayın.
P101	If medical advice is needed, have product container or label at hand.
P102	Çocukların erişemeyeceği yerde saklayın.
P102	Keep out of reach of children.
P103	Kullanmadan önce etiketi okuyun.
P103	Read label before use.
P201	Kullanmadan önce özel talimatları okuyun.
P201	Obtain special instructions before use.
P202	Bütün önlem ifadeleri okunup anlaşılmeden elleçlemeyin.
P202	Do not handle until all safety precautions have been read and understood.
P210	Isıdan/kıvılcımdan/alevden/sıcak yüzeylerden uzak tutun. – Sigara içilmez.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Aleve veya diğer ateş kaynaklarına doğru püskürtmeyin.
P211	Do not spray on an open flame or other ignition source.
P220	Kıyafetlerden/.../yanıcı malzemelerden uzak tutun/saklayın.
P220	Keep away from clothing and other combustible materials.
P221	Yanicılarla/... karışmasını önleyici her türlü önlemi alın.
P221	Take any precaution to avoid mixing with combustibles...
P222	Hava ile temasına izin vermeyin.
P222	Do not allow contact with air.
P223	Şiddetli tepkime ve alevlenme olasılığından dolayı, su ile herhangi olası temasından kaçınınız.
P223	Do not allow contact with water.
P230	... ile ıslak tutun.
P230	Keep wetted with ...
P231	Asal gaz ile elleçleyin.
P231	Handle and store contents under inert gas/...
P231+P232	Asal gazla elleçleyin. Nemden koruyun.
P231+P232	Handle and store contents under inert gas/.... Protect from moisture.
P232	Nemden koruyun.
P232	Protect from moisture.
P233	Kabı sıkıca kapalı tutun.
P233	Keep container tightly closed.
P234	Sadece orijinal kabında saklayın.
P234	Keep only in original packaging.
P235	Soğuk tutun.
P235	Keep cool.
P235+P410	Soğuk saklayın. Güneş ışığından koruyun.
P235+P410	Keep cool. Protect from sunlight.
P240	Kabı ve alıcı ekipmanı toprağa oturtun/bağlayın.
P240	Ground and bond container and receiving equipment.
P241	Patlamaya dayanıklı elektrikli/havalandırma/tutuşturucu/.../malzeme kullanın.
P241	Use explosion-proof [electrical/ventilating/lighting/...] equipment.
P242	Sadece ateş almayan aletler kullanın.
P242	Use non-sparking tools.
P243	Statik boşalmaya karşı önleyici tedbirler alın.
P243	Take action to prevent static discharges.
P244	Kısma vanalarını gres ve yağdan uzak tutun.
P244	Keep valves and fittings free from oil and grease.
P250	Öğütme/şok/.../sürtünmeye maruz bırakmayın.
P250	Do not subject to grinding/shock/friction/....
P251	Basıncılı kap: Kullanımdan sonra bile delmeyin veya yakmayın.
P251	Do not pierce or burn, even after use.
P260	Tozunu/dumanını/gazını/sisini/buharını/spreyini solumayın.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P261	Tozunu/dumanını/gazını/sisini/buharını/spreyini solumaktan kaçınınız.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P262	Gözle, ciltle veya kıyafetle temas ettirmeyin.
P262	Do not get in eyes, on skin, or on clothing.

**Precautionary Statements**

P263	Hamilelikte/anne sütü verirken temastan kaçının.
P263	Avoid contact during pregnancy and while nursing.
P264	Elleçlemeden sonra ... ile iyice yıkayın.
P264	Wash ... thoroughly after handling.
P270	Bu ürünü kullanırken hiçbir şey yemeyin, içmeyiniz veya sigara içmeyin.
P270	Do not eat, drink or smoke when using this product.
P271	Sadece dışarıda veya iyi havalandırılan bir alanda kullanın.
P271	Use only outdoors or in a well-ventilated area.
P272	Kirlenmiş kıyafetleri işyeri dışına çıkarmayın.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Çevreye verilmesinden kaçının.
P273	Avoid release to the environment.
P280	Koruyucu eldiven/koruyucu kıyafet/göz koruyucu/yüz koruyucu kullanın.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Kişisel koruyucu ekipman kullanın.
P281	Use personal protective equipment as required.
P282	Soğuk geçirmez eldiven/yüz kalkanı/gö koruyucu kullanın.
P282	Wear cold insulating gloves and either face shield or eye protection.
P283	Ateş/alev dayanıklı/geciktirici kıyafet giyin.
P283	Wear fire resistant or flame retardant clothing.
P284	Solunum koruyucu giyin.
P284	[In case of inadequate ventilation] wear respiratory protection.
P285	Yetersiz havalandırma varsa, solunum koruyucu giyin.
P285	In case of inadequate ventilation wear respiratory protection.
P301	Yutulması halinde:
P301	IF SWALLOWED:
P301+P310	YUTULDUĞUNDA: ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/...
P301+P312	YUTULDUĞUNDA: kendinizi iyi hissetmiyorsanız ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P301+P312	IF SWALLOWED: Call a POISON CENTER/ doctor/...if you feel unwell.
P301+P330+P331	YUTULDUĞUNDA: ağızınızı çalkalayın. İstifra etmeye ÇALIŞMAYIN.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302	Cildin üzerinde olması halinde:
P302	IF ON SKIN:
P302+P334	DERİ İLE TEMAS HALİNDE İSE: Soğuk suya daldırın/ıslak bezlerle sarın.
P302+P334	IF ON SKIN: Immerse in cool water [or wrap in wet bandages].
P302+P350	DERİ İLE TEMAS HALİNDE İSE: Bol sabun ve su ile iyice yıkayın.
P302+P350	IF ON SKIN: Gently wash with plenty of soap and water.
P302+P352	DERİ İLE TEMAS HALİNDE İSE: Bol sabun ve su ile yıkayın.
P302+P352	IF ON SKIN: Wash with plenty of water/...
P303	Cildin(veya saçın) üzerinde olması halinde:
P303	IF ON SKIN (or hair):
P303+P361+P353	DERİ (veya saç) İLE TEMAS HALİNDE İSE: Kirlenmiş tüm giysilerinizi hemen kaldırın/çıkartın. Cildinizi su/duş ile durulayın.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P304	Solunması halinde:
P304	IF INHALED:
P304+P312	SOLUNMASI HALİNDE: Kendinizi iyi hissetmiyorsanız ZEHİR DANIŞMA MERKEZİ / Doktor / ..... Arayınız.
P304+P312	IF INHALED: Call a POISON CENTER/doctor/...if you feel unwell.
P304+P340	SOLUNDUĞUNDA: Zarar gören kişiyi temiz havaya çıkartın ve kolay biçimde nefes alması için rahat bir pozisyonda tutun.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P304+P341	SOLUNDUĞUNDA: Nefes alıp vermesi zorlaşmış ise, zarar gören kişiyi temiz havaya çıkartın ve kolay biçimde nefes alması için rahat bir pozisyonda tutun.
P304+P341	IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305	Gözle teması halinde:
P305	IF IN EYES:
P305+P351+P338	GÖZ İLE TEMASI HALİNDE: Su ile birkaç dakika dikkatlice durulayın. Takılı ve yapması kolaysa, kontak lensleri çıkartın. Durulamaya devam edin.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P306	Giysi ile teması halinde:
P306	IF ON CLOTHING:
P306+P360	GIYSİ İLE TEMASI HALİNDE: Kirlenmiş giysi ve cildinizi, giysilerinizi çıkarmadan önce bol su ile hemen durulayın.
P306+P360	IF ON CLOTHING: Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P307	Maruz kalınma halinde:
P307	IF exposed:
P307+P311	Maruz kalınma halinde: ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P307+P311	IF exposed: Call a POISON CENTER or doctor/physician.
P308	Maruz kalınma veya etkileşme halinde:
P308	IF exposed or concerned:
P308+P311	IF exposed or concerned: Call a POISON CENTER/doctor/...
P308+P313	Maruz kalınma veya etkileşme halinde İSE: Tıbbi yardım/bakım alın.
P308+P313	IF exposed or concerned: Get medical advice/ attention.
P309	Maruz kalınma veya kendini kötü hissetme halinde:
P309	IF exposed or if you feel unwell:
P309+P311	Maruz kalınma veya kendini iyi hissetmeme halinde: ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P309+P311	IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
P310	Hemen ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P310	Immediately call a POISON CENTER/doctor/...

### Precautionary Statements

P311	ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P311	Call a POISON CENTER/doctor/...
P312	Kendinizi iyi hissetmezseniz, ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P312	Call a POISON CENTER/doctor/...if you feel unwell.
P313	Tıbbi tavsiye alın/doktorunuza başvurun.
P313	Get medical advice/attention.
P314	Kendinizi iyi hissetmezseniz, tıbbi tavsiye/müdahale alın.
P314	Get medical advice/attention if you feel unwell.
P315	Hemen tıbbi tavsiye/müdahale alın.
P315	Get immediate medical advice/attention.
P320	Özel acil müdahale gerekli (etikete bakın)
P320	Specific treatment is urgent (see ... on this label).
P321	Özel müdahale gerekli (etikete bakın)
P321	Specific treatment (see ... on this label).
P322	Özel önlemler (etikete bakın)
P322	Specific measures (see ... on this label).
P330	Ağzınızı çalkalayın.
P330	Rinse mouth.
P331	Kusturmayın.
P331	Do NOT induce vomiting.
P332	Cilt tahrişi oluşması halinde:
P332	If skin irritation occurs:
P332+P313	Ciltte tahriş söz konusu ise: Tıbbi yardım/müdahale alın.
P332+P313	If skin irritation occurs: Get medical advice/attention.
P333	Cilt tahrişi veya pişik oluşması halinde:
P333	If skin irritation or rash occurs:
P333+P313	Ciltte tahriş veya kaşıntı söz konusu ise: Tıbbi yardım/müdahale alın.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P334	Soğuk suya batırın veya ıslak bandaja sarın.
P334	Immerse in cool water [or wrap in wet bandages].
P335	Ciltte kalan parçaları temizleyin.
P335	Brush off loose particles from skin.
P335+P334	Parçacıkları cildinizden hafifce temizleyin. Soğuk suya daldırın/ıslak bezlerle sarın.
P335+P334	Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.
P336	Donmuş bölümleri ılık su ile eritin. Etkilenmiş alanı silmeyin.
P336	Thaw frosted parts with lukewarm water. Do not rub affected area.
P337	Göz tahrişinin geçmemesi halinde:
P337	If eye irritation persists:
P337+P313	Göz tahrişi kalıcı ise: Tıbbi yardım/bakım alın.
P337+P313	If eye irritation persists: Get medical advice/attention.
P338	Kontakt lens, varsa ve çıkarması kolaysa, çıkarın. Sürekli durulayın.
P338	Remove contact lenses, if present and easy to do. Continue rinsing.
P340	Zarar gören kişiyi açık havaya çıkarın ve rahat nefes alabileceği pozisyonda olmasını sağlayın.
P340	Remove person to fresh air and keep comfortable for breathing.
P341	Nefes almakta güçlük çekiyorsa, zarar gören kişiyi açık havaya çıkarın ve rahat nefes alabileceği pozisyonda olmasını sağlayın.
P341	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.
P342	Solunum bulgularının görülmesi halinde:
P342	If experiencing respiratory symptoms:
P342+P311	Solunum bulguları gösterirse: ULUSAL ZEHİR DANIŞMA MERKEZİNİN 114 NOLU TELEFONUNU veya doktoru/hekimi arayın.
P342+P311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor/...
P350	Bol sabun ve su ile iyice yıkayın.
P350	Gently wash with plenty of soap and water.
P351	Su ile birkaç dakika dikkatlice durulayın.
P351	Rinse cautiously with water for several minutes.
P352	Bol sabun ve su ile yıkayın.
P352	Wash with plenty of water/...
P353	Cildinizi su/duş ile durulayın.
P353	Rinse skin with water [or shower].
P360	Kirlenmiş giysi ve cildinizi, giysilerinizi çıkarmadan önce bol su ile hemen durulayın.
P360	Rinse immediately contaminated clothing and skin with plenty of water before removing clothes.
P361	Kirlenmiş tüm giysilerinizi hemen kaldırın/çıkarın.
P361	Take off immediately all contaminated clothing.
P361+P364	Kirlenmiş olan giysilerinizi hemen çıkarın ve tekrar kullanmadan önce yıkayın.
P361+P364	Take off immediately all contaminated clothing and wash it before reuse.
P362	Kirlenmiş giysilerinizi çıkarın ve yeniden kullanmadan önce yıkayın.
P362	Take off contaminated clothing.
P362+P364	Bulaşmış elbiseleri çıkarın ve tekrar kullanmadan önce yıkayın.
P362+P364	Take off contaminated clothing and wash it before reuse.
P363	Kirlenmiş giysilerinizi yeniden kullanmadan önce yıkayın.
P363	Wash contaminated clothing before reuse.
P364	Ve tekrar kullanmadan önce yıkayın.
P364	And wash it before reuse.
P370	Yangın çıkması durumunda:
P370	In case of fire:
P370+P376	Yangın durumunda: Güvenli ise sızıntıyı durdurun.

### Precautionary Statements

P370+P376	In case of fire: Stop leak if safe to do so.
P370+P378	Yangın durumunda: Söndürme için ... kullanın.
P370+P378	In case of fire: Use ... to extinguish.
P370+P380	Yangın durumunda: Alanı boşaltın.
P370+P380	In case of fire: Evacuate area.
P370+P380+P375	Yangın durumunda: Alanı boşaltın. Patlama riskine karşı yangınla uzaktan savaşın.
P370+P380+P375	In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion.
P371	Büyük yangın ve büyük miktarlar durumunda:
P371	In case of major fire and large quantities:
P371+P380+P375	Büyük yangın ve büyük miktarlar durumunda: Tahliye alanı. Patlama riskine karşı yangına uzaktan müdahale edin.
P371+P380+P375	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
P372	Yangın durumunda patlama riski.
P372	Explosion risk.
P373	Yangın patlayıcılara ulaştığında, yangına MÜDAHALE ETMEYİN.
P373	DO NOT fight fire when fire reaches explosives.
P374	Yangına makul bir mesafeden normal önlemler olarak müdahale edin.
P374	Fight fire with normal precautions from a reasonable distance.
P375	Patlama riskine karşı yangına uzaktan müdahale edin.
P375	Fight fire remotely due to the risk of explosion.
P376	Güvenli ise sızıntıyı durdurun.
P376	Stop leak if safe to do so.
P377	Gaz sızıntısına bağlı yangın: Sızıntı güvenli olarak durdurulmadan söndürmeyin.
P377	Leaking gas fire: Do not extinguish, unless leak can be stopped safely.
P378	Söndürme için ... kullanın.
P378	Use ... to extinguish.
P380	Alanı boşaltın.
P380	Evacuate area.
P381	Güvenli ise tüm tutuşturucu kaynaklarını ortadan kaldırın.
P381	In case of leakage, eliminate all ignition sources.
P390	Maddi hasarı önlemek için sıvı döküntüleri temizleyin.
P390	Absorb spillage to prevent material damage.
P391	Döküntüleri toplayın.
P391	Collect spillage.
P401	... depolayın.
P401	Store in accordance with...
P402	Kuru yerde depolayın.
P402	Store in a dry place.
P402+P404	Kuru alanda depolayınız. Kapalı bir kaptan depolayın.
P402+P404	Store in a dry place. Store in a closed container.
P403	İyi havalandırılan yerde depolayın.
P403	Store in a well-ventilated place.
P403+P233	İyi havalandırılmış bir alanda depolayınız. Kapağı sıkıca kapalı tutun.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P403+P235	İyi havalandırılmış bir alanda depolayın. Soğuk tutun.
P403+P235	Store in a well-ventilated place. Keep cool.
P404	Kapalı kaptan saklayın.
P404	Store in a closed container.
P405	Kilit altında saklayın.
P405	Store locked up.
P406	Aşındırıcılara karşı dayanıklı/dayanıklı bir iç astara sahip ... kaptan depolayın.
P406	Store in a corrosion resistant/...container with a resistant inner liner.
P407	Yığınlar/paletler arasında hava boşluğu temin edin.
P407	Maintain air gap between stacks or pallets.
P410	Güneş ışığından koruyun.
P410	Protect from sunlight.
P410+P403	Güneş ışığından koruyun. İyi havalandırılmış bir alanda depolayın.
P410+P403	Protect from sunlight. Store in a well-ventilated place.
P410+P412	Güneş ışığından koruyun. 50°C/122°F aşan sıcaklıklara maruz bırakmayın.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P411	...°C/...°F aşmayacak sıcaklıklarda depolayın.
P411	Store at temperatures not exceeding ...°C/...°F.
P411+P235	...°C/...°F aşmayacak sıcaklıklarda depolayın. Soğuk tutun.
P411+P235	Store at temperatures not exceeding ... °C/...°F. Keep cool.
P412	50°C/122°F aşan sıcaklıklara maruz bırakmayın.
P412	Do not expose to temperatures exceeding 50 °C/ 122 °F.
P413	...°C/...°F aşmayacak sıcaklıklarda ... kg/... lbs'den büyük kütle miktarları halinde depolayın.
P413	Store bulk masses greater than ... kg/...lbs at temperatures not exceeding ...°C/...°F.
P420	Diğer malzemelerden uzakta depolayın.
P420	Store separately.
P422	İçindekileri ... altında depolayın.
P422	Store contents under ...
P501	İçeriği/kabı ... bertaraf edin.
P501	Dispose of contents/container to ...
P502	Geri dönüşüm/ Geri kazanım için üreticinizden/tedarikçinizden bilgi talep edin.
P502	Refer to manufacturer or supplier for information on recovery or recycling



# Hazard Symbol and Description

Tehlike Sembol ve Tanımlar

## Hazard classes and symbols / Tehlike işaret tanımları



Explosive  
Patlayıcı



Corrosive  
Cildi tahriş edici madde



Carcinogenic  
Kanserojen



Extremely flammable  
Alevlenir Sıvılar (Yangın çıkabilir)



Very toxic  
Akut zehirlilik (Bir çeşit zehirdir)



Dangerous for the environment  
Çevre için zararlı



Oxidizing agent  
Oksitleyici Sıvılar  
(Ateşi büyütür ve yangın oluşturabilir)



Acute Toxicity  
Akut zehirlilik (Cildi tahriş edici)



Compressed Gases  
Basıncı gazlar



### Acetic Acid %80, Extra Pure

- CH<sub>3</sub>COOH
- M = 60,05 g/mol
  - Melting: -8 C
  - Boiling: 117-120 C
  - CAS [64-19-7]
  - UN 2789
  - EC 200-580-7
  - Store at +5C° .... +30C°
  - ADR : 8,II

Assay	>= 80,0%
Density(20 C)	1,05-1,08 gr/cm <sup>3</sup>
Iron(Fe)	<= 0,0005%
Arsenic(As)	<= 0,0005%
Heavy Metals(as Pb)	<= 0,0005%
Chloride(Cl)	<= 0,005%
Sulfate(SO <sub>4</sub> )	<= 0,005%
Formic Acid	<= 0,05%
Acetaldehyde	<= 0,005%
Colour(Pt-Co)	<= 10
Appearance	Clear Transparent

#### CLASSIFICATION: HAZARDOUS

H290 - H314 P280 - P301+P330+P331  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.010040.01001	1 lt PLS (HDPE)	12
TK.010040.02500	2,5 lt GLS bottle	4
TK.010040.02501	2,5 lt PLS bottle	6
TK.010040.05001	5 lt PLS (HDPE)	4
TK.010040.25001	25 lt PLS (HDPE)	1

### Acetic Acid (Glacial) %99-100, Extra Pure

- CH<sub>3</sub>COOH
- M = 60,05 g/mol
  - Melting: 16-17 C
  - Boiling: 117-118 C
  - CAS [64-19-7]
  - UN 2789
  - EC 200-580-7
  - ADR : 8.(3), II
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Density(20 C)	1,04-1,05 gr/cm <sup>3</sup>
Iron(Fe)	0,0005%
Arsenic(As)	0,0002%
Heavy Metals(as Pb)	0,0002%
Chloride(Cl)	0,0020%
Sulfate(SO <sub>4</sub> )	0,0020%
Formic Acid	0,0500%
Acetaldehyde	0,0050%
Colour(Pt-Co)	<=10
Appearance	Transparent

#### CLASSIFICATION: HAZARDOUS

H226 - H290 - H314 P210 - P280 - P301+P330+P331  
P305+P351+ P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.010030.01001	1 lt PLS (HDPE)	12
TK.010030.02500	2,5 lt GLS bottle	4
TK.010030.02501	2,5 lt PLS bottle	6
TK.010030.05001	5 lt PLS (HDPE)	4
TK.010030.25001	25 lt PLS (HDPE)	1

### Acetone, Extra Pure

- C<sub>3</sub>H<sub>6</sub>O
- M = 58,08 g/mol
  - Melting: -95,4 C
  - Boiling: 56,2 C
  - CAS [67-64-1]
  - UN 1090
  - EC 200-662-2
  - ADR : 3, II
  - Store at 15C° .... +25C°

Purity(G.C)	>=99,5%
Density(20 C)	0,787-0,793 gr/cm <sup>3</sup>
Water(K.F)	<=0,5%
Acidity	<=0,0005 meq/gr
Alkalinity	<=0,0005 meq/gr
Colour(Pt-Co)	<=10
Appearance	Clear

#### CLASSIFICATION: DANGER

H225 - H319 - H336 -H314 - EUH066 P210 -  
P240 - P305+P351+P338 -P403+P233



Product Code	Package Type	Quantity in Box
TK.010050.01000	1 lt GLS bottle	6
TK.010050.01001	1 lt PLS (HDPE)	12
TK.010050.02500	2,5 lt GLS bottle	4
TK.010050.02501	2,5 lt PLS bottle	6
TK.010050.05001	5 lt PLS (HDPE)	4
TK.010050.25001	25 lt PLS (HDPE)	1
TK.010050.25003	25 lt IRN Iron	1

## Acetone, ACS Grade

- $C_3H_6O$   
 • M = 58,08 g/mol  
 • Melting: -95,4 C  
 • Boiling: 56,2 C  
 • CAS [67-64-1]  
 • UN 1090  
 • EC 200-662-2  
 • ADR : 3, II  
 • Store at 15C° .... +25C°

Assay	>=99,5 %
Color (APHA)	<=10
Residue after evaporation	<= 0,001%
Solubility in water	Passes test
Titration acid	<= 0,0003 meq/g
Titration base	<= 0,0006 meq/g
Aldehyde [as CH <sub>2</sub> O]	<= 0,002%
Isopropyl alcohol	<= 0,05 %
Methanol	<= 0,05 %
Substance reducing permanganate	Passes test
Water	<= 0,5 %
Ultraviolet Spectrophotometry	
Wavelength (nm)	
400	Max 0.01 AU
350	Max 0.02 AU
340	Max 0.10 AU
330	Max 1,00 AU

### CLASSIFICATION: DANGER

H225 - H319 - H336 -H314 - EUH066 P210-  
P240 - P305+P351+P338 -P403+P233



Product Code	Package Type	Quantity in Box
TK.911013.01000	1 lt GLS bottle	6
TK.911013.02500	2,5 lt GLS bottle	4
TK.911013.02501	2,5 lt PLS bottle	6
TK.911013.05001	5 lt PLS (HDPE)	4

## Acetonitrile, Extra Pure

- $CH_3CN$   
 • M = 41,05 g/mol  
 • Melting: - 45,7 °C  
 • Boiling: 81,6 °C  
 • CAS [75-05-8]  
 • Flash point: 2 °C  
 • EC 200-835-2  
 • Store at 15C° .... +25C°

Assay	>=99,97 %
Chroma: [Pt-Co]	<= % 8
Density [20.C] g/cm <sup>3</sup>	<= 0,782
Acid [acetic acid]	<= % 0,002
Ammonia	<= % 0,00006
Hydrocyanic acid	<= % 0,0006
Acetone	<= % 0,001
Acrylonitrile	<= % 0,0010
Propionitrile	<= % 0,008
Fe m/m	<= % 0,00002
Cu m/m	<= % 0,00003
Water	<= % 0,017

### CLASSIFICATION: HAZARDOUS

H225 - H302+H312+H332-H314-H317-H319



Product Code	Package Type	Quantity in Box
TK.930107.01000	1 lt GLS bottle	6
TK.930107.02500	2,5 lt GLS bottle	4
TK.930107.05003	5 lt PLS (COEX)	4
TK.930107.25003	25 lt IRN Metal	1

## Acetonitrile, HPLC Grade

- $CH_3CN$   
 • M = 41,05 g/mol  
 • Melting: -45,7 C  
 • Boiling: 81,0-82,0 C  
 • CAS [75-05-8]  
 • UN 1648  
 • EC 200-835-2

Purity[G.C]	>= 99,9 %
Density[20 C]	0,781-0,787 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0005 meq/gr
Evaporation Residue	<= 0,0005 %
Water[K.F]	<= 0,05 %
Colour[Pt-Co]	<= 10
Boiling Range(>=95 % v/v)	80,0-62,0 C
Transmission[193 nm]	>= 60 %
Transmission[195 nm]	>= 79 %
Transmission[200 nm]	>= 90 %
Transmission[210 nm]	>= 95 %
Transmission[220-420 nm]	>= 98 %
Gradient Grade[210 nm]	<= 2,0 mAu
Gradient Grade[254 nm]	<= 1,0 mAu
Fluorescence[254 nm]	<= 1,0 ppb
Fluorescence[365 nm]	<= 0,5 ppb
Filtered by 0,2 micron filter	Prepared By

### CLASSIFICATION: HAZARDOUS

H225 - H302+H312+H332-H314-H317-H319



Product Code	Package Type	Quantity in Box
TK.930108.01000	1 lt GLS bottle	6
TK.930108.02500	2,5 lt GLS bottle	4

### Acetonitrile % 99,9 for Synthesis, Extra Pure

- CH<sub>3</sub>CN
- D = 2.40 g/cm<sup>3</sup> [20 °C]
  - Melting: 100 °C
  - Molar Mass : 41.05 g/mol
  - CAS 75-05-8
  - EC 200-835-2
  - UN 1648
  - ADR 3, II
  - Store at 15C° .... +25C°

Boiling point	81.6 °C [1013 hPa]
Density	0.786 g/cm <sup>3</sup> [20 °C]
Explosion limit	3.0 - 17 % (V)
Flash point	2 °C
Ignition temperature	524 °C
Melting Point	-45.7 °C
Vapor pressure	97 hPa [20 °C]

**CLASSIFICATION: HAZARDOUS**  
H225 - H302+H312+H332-H314-H317-H319



Product Code	Package Type	Quantity in Box
TK.930109.01000	1 lt GLS bottle	6
TK.930109.02500	2,5 lt GLS bottle	4
TK.930109.05003	5 lt PLS (OCEX)	4
TK.930109.25003	25 lt steel barrel [IRN]	1

### Adipic Acid, Extra Pure

- C<sub>6</sub>H<sub>10</sub>O<sub>4</sub>
- M = 146,14 g/mol
  - Melting: 151-154 C
  - CAS [124-04-9]
  - EC 204-673-3
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Total Nitrogen	<= 0,02%
Iron(Fe)	<= 0,02%
Moisture	<= 0,2%
Ash	<= 0,0005%

**CLASSIFICATION: ATTENTION**  
H319-P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.201793.01002	1 kg SQR (HDPE)	18
TK.201793.05004	5 kg SQR (HDPE)	4
TK.201793.25006	25 kg Nylon in box	1

### Aluminium Chloride Hexahydrate, Extra Pure

- AlCl<sub>3</sub> \* 6 H<sub>2</sub>O
- D = 2.40 g/cm<sup>3</sup> [20 °C]
  - Melting: 100 °C
  - CAS [7784-13-6]
  - EC 231-208-1
  - Store at 15C° .... +25C°

Assay	min.99.0%
pH (50 g/l, H <sub>2</sub> O, 20 °C)	2.5.
Vapor pressure	1 hPa [20 °C]
Bulk density	800 kg/m <sup>3</sup>
Solubility	1330 g/l

**CLASSIFICATION: WARNING**  
H314 - H319 P302+P352  
P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.930111.01002	1 kg SQR (HDPE)	18
TK.930111.05004	5 kg SQR (HDPE)	4
TK.930111.25006	25 kg Nylon in box	1

### Aluminium Hydroxide (Powder), Extra Pure

- Al(OH)<sub>3</sub>
- M = 78,00 g/mol
  - Melting: 300 C
  - CAS [21645-51-2]
  - EC 244-492-7
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Sodium Oxide	<= 0,05%
Loss on Drying	<= 0,25%
Oil Absorption	20-30 cm <sup>3</sup> /100 gr
Particle Size Analysis	
d10 um	2,0-4,0
d50 um	11-15
d90 um	20-30

Product Code	Package Type	Quantity in Box
TK.201773.01002	1 kg SQR (HDPE)	18
TK.201773.05004	5 kg SQR (HDPE)	4
TK.201773.25006	25 kg Nylon in box	1

### Aluminium Nitrate Nonahydrate, ACS Grade

- AlN<sub>3</sub>O<sub>9</sub> \* 9 H<sub>2</sub>O
- D = 1.72 g/cm<sup>3</sup> [20 °C]
  - Melting: 73 °C
  - CAS [7784-27-2]
  - EC 236-751-8
  - UN 1438
  - ADR: 5.1 III
  - Store at 15C° .... +25C°

Assay	98.0 - 102.0%
Aqueous solubility	64 g in 100mL at 25°C
Insoluble matter	0.005% Max.
Chloride(Cl)	0.001% Max.
Sulphate(SO <sub>4</sub> )	0.005% Max.
Calcium (Ca)	0.005% Max.
Magnesium (Mg)	0.001% Max.
Potassium (K)	0.002% Max.
Sodium (Na)	0.005% Max.
Heavy metal (as Pb)	0.001% Max.
Iron(Fe)	0.002% Max.
Molecular Weight	375.14

**CLASSIFICATION: WARNING**  
H318 - P280 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.930112.01002	1 kg SQR (HDPE)	18
TK.930112.05004	5 kg SQR (HDPE)	4
TK.930112.25006	25 kg Nylon in box	1

### Aluminium Oxide, Extra Pure

- Al<sub>2</sub>O<sub>3</sub>
- M = 101,96 g/mol
  - Melting: 2040 C
  - CAS [1344-28-1]
  - EC 215-691-6
  - Store at 15C° .... +25C°

Assay	>= 98,0%
Silicium Oxide(SiO <sub>2</sub> )	<=0,02%
Iron Oxide(Fe <sub>2</sub> O <sub>3</sub> )	<=0,025%
Sodium Oxide(Na <sub>2</sub> O)	<=0,5%
Titanium Dioxide(TiO <sub>2</sub> )	<=0,008%
Calcium Oxide(CaO)	<=0,05%
Bulk Density	<=0,15%
Realtive Density	1,0-1,1 gr/cm <sup>3</sup>
Mesh Analysis	3,3-3,6 gr/cm <sup>3</sup>
+100 Mesh	3-5%
100-200 Mesh	25-35%
200-325 Mesh	30-40%
-325 Mesh	20-30%

Product Code	Package Type	Quantity in Box
TK.200720.01002	1 kg SQR (HDPE)	18
TK.200720.05004	5 kg SQR (HDPE)	4
TK.200720.25006	25 kg Nylon in box	1

### Aluminium Potassium Sulfate Dodecahydrate, Extra Pure

- Al K(SO<sub>4</sub>)<sub>2</sub>.12H<sub>2</sub>O
- M = 474,38 g/mol
  - CAS [7784-24-9]
  - Melting: 92.5 C°
  - Store at 15C° .... +25C°
  - EC 233-141-3

Assay(complexometric):	min.99%
Chloride(Cl):	0.01% max.
Iron(Fe):	0.01% max.
Lead(Pb):	0.01% max.
Ammonium(NH <sub>4</sub> ):	0.05% max.
Solubility:	Soluble in water. Insoluble in alcohol.

Product Code	Package Type	Quantity in Box
TK.930105.01002	1 kg SQR (HDPE)	18
TK.930105.05004	5 kg SQR (HDPE)	4
TK.930105.25006	25 kg Nylon in box	1

### Aluminium Sulfate, Extra Pure

- Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>.18H<sub>2</sub>O
- M = 666,42 g/mol
  - Melting: 90 C
  - CAS [7784-31-8]
  - EC 233-135-0
  - Store at 15C° .... +25C°

Assay	>= 98,0%
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )	16,0-17,0%
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> )	<= 0,003%
pH (2 %,H <sub>2</sub> O, 20 C)	2,3-3,3

**CLASSIFICATION: HAZARDOUS**  
H318 - P280 - P305+P351+P338 P313



Product Code	Package Type	Quantity in Box
TK.200710.01002	1 kg SQR (HDPE)	18
TK.200710.05004	5 kg SQR (HDPE)	4
TK.200710.25006	25 kg Nylon in box	1

### Ammonia Solution %25, Extra Pure

- NH<sub>3</sub>(aq)
- M = 17,03 g/mol
  - Boiling: 37,7 C
  - CAS [1336-21-6]
  - UN 2672
  - EC 215-647-6
  - ADR: 8,III
  - Store at 2C° .... +25C°

Assay	25-27%
Density(20C) cm <sup>3</sup>	0,90-0,91 gr/
Colour(Pt-Co)	<=10
Heavy metals	<=0,0001%
Appearance	Clear

#### CLASSIFICATION: DANGER

H290 - H314 - H335 - H400-P273 - P280 -  
P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.010010.01001	1 lt PLS (HDPE)	12
TK.010010.05001	5 lt PLS (HDPE)	4
TK.010010.25001	25 lt PLS (HDPE)	1

### Ammonium Acetate, Extra Pure

- CH<sub>3</sub>COONH<sub>4</sub>
- M = 77,08 g/mol
  - Melting: 114 C
  - CAS [631-61-8]
  - EC 211-162-9
  - 15C° .... +25C°

Assay	>= 95,0%
Iron(Fe)	<= 0,0005%
Heavy Metals(Pb)	<= 0,0005%
Moisture	<= 2,0%
pH[5 %,H2O,20 C)	4,5-7,5

Product Code	Package Type	Quantity in Box
TK.190611.01002	1 kg SQR (HDPE)	18
TK.190611.05004	5 kg SQR (HDPE)	4
TK.190611.25006	25 kg Nylon in box	1

### Ammonium Bicarbonate, Extra Pure

- (NH<sub>4</sub>)HCO<sub>3</sub>
- M = 79,06 g/mol
  - Melting: 106 C
  - CAS [1066-33-7]
  - EC 213-911-5
  - Store at 15C° .... +25C°

Assay	>= 99,0%
Sulfat(SO <sub>4</sub> )	<= 0,01%
Sulfit(as S)	<= 0,0005%
Iron(Fe)	<= 0,005%
Arsenic(As)	<= 0,0005%
Heavy Metals(Pb)	<= 0,0005%
Ash	<= 0,01%

#### CLASSIFICATION: ATTENTION

H302



Product Code	Package Type	Quantity in Box
TK.201795.01002	1 kg SQR (HDPE)	18
TK.201795.05004	5 kg SQR (HDPE)	4
TK.201795.25006	25 kg Nylon in box	1

### Ammonium Chloride, Extra Pure

- NH<sub>4</sub>Cl
- M = 53,49 g/mol
  - Melting: 338 C
  - CAS [12125-02-9]
  - EC 235-186-4
  - Store at +5C° .... +30C°

Assay	>= 99,5%
Iron(Fe)	<= 0,001%
Phosphor(P)	<= 0,05%
Stearylamine	<= 0,05%
Moisture	<= 0,1%
Ash	<= 0,05%



Product Code	Package Type	Quantity in Box
TK.200730.01002	1 kg SQR (HDPE)	18
TK.200730.05004	5 kg SQR (HDPE)	4
TK.200730.25006	25 kg Nylon in box	1

### Ammonium Dichromate Gr for Analysis

- $(\text{NH}_4)_2\text{Cr}_2\text{O}_7$
- M = 252,06 g/mol
  - Melting: 170 C
  - CAS [7789-09-5]
  - UN 1439
  - EC 232-143-1
  - ADR: 5.1, II
  - Store at 15C° .... +25C°

Assay	>=99,5%
Calcium (Ca)	<= 0,002%
Chloride (Cl)	<= 0,001%
Sulphate (SO4)	<= 0,01%
Loss on drying (105 C)	<= 3,0%
pH (5 %, H2O 25C)	3,0-4,0

#### CLASSIFICATION: HAZARDOUS

H272 - H301 - H312 - H314 - H317 - H330 - H334 - H340 - H350-  
H360FD - H372 - H410 P201 - P210 - P260 - P280 - P304



#### Product Code

#### Package Type

#### Quantity in Box

TK.930070.01002	1 kg SQR (HDPE)	18
TK.930070.05004	5 kg SQR (HDPE)	4
TK.930070.25006	25 kg Nylon in box	1

### Ammonium Dihydrogen Phosphate, ACS Grade

- $\text{NH}_4\text{H}_2\text{PO}_4$
- D = 1.80 g/cm<sup>3</sup> (20 °C)
  - Melting: 190 °C
  - CAS [7722-76-1]
  - EC 231-764-5
  - Store at 15C° .... +25C°

Assay	Min. 98.0%
Aqueous solubility	1 g in 2.5mL at 25°C
pH(5% aq soln), at 25°C:	3.8 - 4.4
Insoluble matter:	0.005% Max.
Chloride(Cl):	5ppm Max.
Nitrate(NO3):	0.001% Max.
Sulphate(SO4):	0.01% Max.
Heavy metals (as Pb):	5ppm Max.
Iron(Fe):	0.001% max.
Calcium (Ca):	0.001% Max.
Magnesium (Mg):	0.0005% Max.
Potassium (K):	0.005% Max.
Sodium (Na):	0.005% Max.

#### Product Code

#### Package Type

#### Quantity in Box

TK.930113.01002	1 kg SQR (HDPE)	18
TK.930113.05004	5 kg SQR (HDPE)	4
TK.930113.25006	25 kg Nylon in box	1

### Ammonium Heptamolybdate Tetrahydrate, Analytic grade

- $\text{H}_4\text{Mo}_7\text{N}_6\text{O}_{24} \cdot 4 \text{H}_2\text{O}$
- D: 2.498 g/cm<sup>3</sup> (20 °C)
  - Melting: 90 °C
  - CAS 12054-85-2
  - EC 234-722-4
  - Molar mass : 1235.86 g/mol
  - Store at 15C° .... +25C°

Assay (precipitative titration)	99.3 - 101.8 %
Identity	passes test
Insoluble substances	≤ 0.006 %
Chloride (Cl)	≤ 0.002 %
Nitrate (NO <sub>3</sub> )	passes test
Phosphate (PO <sub>4</sub> )	≤ 0.0006 %
Phosphate, Arsenate, Silicate (as PO <sub>4</sub> )	passes test
Sulfate (SO <sub>4</sub> )	≤ 0.03 %
Heavy metals (as Pb)	≤ 0.001 %
K (Potassium)	≤ 0.006 %
Mg (Magnesium)	≤ 0.006 %
Na (Sodium)	≤ 0.005 %
Magnesium and alcali salts	≤ 0.02 %

#### Product Code

#### Package Type

#### Quantity in Box

TK.930263.00102	100 Gr SQR (HDPE)	1-36
TK.930263.00252	250 Gr SQR (HDPE)	1-36
TK.930263.00502	500 Gr SQR (HDPE)	1-36
TK.930263.01002	1 kg SQR (HDPE)	18



### Ammonium Iron(II) Sulfate (Ammonium ferrous) Hexahydrate, ACS Grade



- D = 1.86 g/cm<sup>3</sup> [20 °C]
- Melting: 39 - 41 °C (decomposition)
- CAS [7783-85-9]
- EC 233-151-8
- Store at 15C° .... +25C°

Assay:	98.5-101.5%
Insoluble matter:	0.01% Max.
Phosphate (PO <sub>4</sub> ):	0.003% Max.
Calcium (Ca):	0.005% Max.
Copper(Cu):	0.003% Max.
Magnesium (Mg):	0.002% Max.
Manganese(Mn):	0.001% Max.
Potassium(K):	0.002% Max.
Sodium(Na):	0.02% Max.
Zinc(Zn):	0.003% Max.
Ferric iron(Fe+++):	0.01% Max.
Aqueous solubility:	Soluble

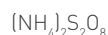
#### CLASSIFICATION: WARNING

H315-H319-H335-P261-P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.930114.01002	1 kg SQR (HDPE)	18
TK.930114.05004	5 kg SQR (HDPE)	4
TK.930114.25006	25 kg Nylon in box	1

### Ammonium Peroxodisulfate (Persulfate), ACS Grade



- D = 1.98 g/cm<sup>3</sup> [20 °C]
- Melting: 120 °C (decomposition)
- CAS [7727-54-0]
- EC 231-786-5
- UN 1444
- ADR: 5.1 III
- Store at 15C° .... +25C°

Assay:	Min. 98.0%
Insoluble matter:	0.005% Max.
Residue after ignition:	0.05% Max.
Titrate free acid:	0.04 meq/g
Chloride and chlorate (as Cl):	0.001% Max.
Heavy metals (as Pb):	0.005% Max.
Iron (Fe):	0.001% Max.
Manganese (Mn):	0.5ppm Max.
Aqueous solubility:	58 g in 100mL at 20°C

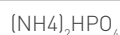
#### CLASSIFICATION: DANGER

H272-H302-H315-H317-H319-H334-H335  
P280 - P302+P352 - P304+P340 - P305+P351+P338-P342+P311



Product Code	Package Type	Quantity in Box
TK.930115.01002	1 kg SQR (HDPE)	18
TK.930115.05004	5 kg SQR (HDPE)	4
TK.930115.25006	25 kg Nylon in box	1

### Di-Ammonium Phosphate, Extra Pure

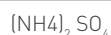


- M = 132,05 g/mol
- CAS [7783-28-0]
- EC 231-987-8
- Store at +5C° .... +25C°

Assay	>= 99,0 %
P205	>= 53,0 %
Nitrogen(N)	>= 20,0 %
Moisture	<=0,2%
Water Insoluble	<=0,1%
pH[1 %,H2O,25 C]	7,5-8,5

Product Code	Package Type	Quantity in Box
TK.201796.01002	1 kg SQR (HDPE)	18
TK.201796.05004	5 kg SQR (HDPE)	4
TK.201796.25006	25 kg Nylon in box	1

### Ammonium Sulfate, Extra Pure



- M = 132,14 g/mol
- Melting: 235 C°
- CAS [7783-20-2]
- EC 231-984-1
- Store at +5C° .... +30 C°

Assay	>= 98,0%
Total Nitrogen(N)	>= 20,0%
Total Sulfur(S)	23,0-24,0%
Free Acid	<= 0,05%
Moisture	<= 0,5%

Product Code	Package Type	Quantity in Box
TK.010020.01002	1 kg SQR (HDPE)	18
TK.010020.05004	5 kg SQR (HDPE)	4
TK.010020.25006	25 kg Nylon in box	1

## Ammonium Thiocyanate, Extra Pure

$NH_4SCN$

- $D = 1.3 \text{ g/cm}^3$  (20 °C)
- Melting: 150 °C
- CAS [1762-95-4]
- EC 217-175-6
- Store at 15C° .... +25C°

Assay(argentometric):	min.98%
Chloride(Cl):	0.02% max.
Sulphate(SO <sub>4</sub> ):	0.02% max.
Sulphide(S):	0.002% max.
Iron(Fe):	0.01% max.
Solubility:	10%

**CLASSIFICATION: WARNING**

H302+H312+H332 - H412 - P273 - P302 + P352



### Product Code

### Package Type

### Quantity in Box

TK.930116.01002	1 kg SQR (HDPE)	18
TK.930116.05004	5 kg SQR (HDPE)	4
TK.930116.25006	25 kg Nylon in box	1

## L(+)-Ascorbic Acid, Extra Pure

$C_6H_8O_6$

- $M = 176,12 \text{ g/mol}$
- Melting: 190-192 C
- CAS [50-81-7]
- EC 200-066-2
- Store at 15C° .... +25C°

Assay	>= 99,5%
Oxalic Acid	<= 0,5%
Iron(Fe)	<= 0,0005%
Lead(Pb)	<= 0,0002%
Copper(Cu)	<= 0,0005%
Mercury(Hg)	<= 0,00001%
Arsenic(As)	<= 0,0003%
Cadmium(Cd)	<= 0,0001%
Heavy Metals(as Pb)	<= 0,001%
Loss on Drying(105 C)	<= 0,5%
Sulfated Ash	<= 0,1%
Specifik Optic Rotation	+20,5...+21,5
pH(2 %,H <sub>2</sub> O,20 C)	2,4-2,8

### Product Code

### Package Type

### Quantity in Box

TK.200740.01002	1 kg SQR (HDPE)	18
TK.200740.05004	5 kg SQR (HDPE)	4
TK.200740.25006	25 kg Nylon in box	1

## Barium Carbonate, Extra Pure

$BaCO_3$

- $M = 197,34 \text{ g/mol}$
- Melting: 1450 C
- CAS [513-77-9]
- EC 208-167-3
- Store at 15C° .... +25C°

Assay	>= 99,0%
Iron(Fe)	<= 0,005%
Total Sulfur(S)	<= 0,25%
Ignition Residue	<= 0,15%
Moisture	<= 0,3%

**CLASSIFICATION: ATTENTION**

H302 - P262



### Product Code

### Package Type

### Quantity in Box

TK.201130.01002	1 kg SQR (HDPE)	18
TK.201130.05004	5 kg SQR (HDPE)	4
TK.201130.25006	25 kg Nylon in box	1

## Barium Chloride Dihydrate, Extra Pure

$BaCl_2 \cdot 2H_2O$

- $M = 244,28 \text{ g/mol}$
- Melting: 963 C
- CAS [10326-27-9]
- UN 1564
- EC 233-788-1
- ADR: 6.1, III
- Store at +5C° .... +30C°

Assay	>= 99%
Iron(Fe)	<= 0,01%
Sulphide(S)	<= 0,005%
Strontium(Sr)	<= 0,5%
Insoluble in Water	<= 0,1%
pH(5%,H <sub>2</sub> O,25 C)	5,0-8,0

**CLASSIFICATION: HAZARDOUS**

H301 - H332-P308+P310



### Product Code

### Package Type

### Quantity in Box

TK.090209.01002	1 kg SQR (HDPE)	18
TK.090209.05004	5 kg SQR (HDPE)	4
TK.090209.25006	25 kg Nylon in box	1

### Barium Nitrate, Extra Pure

- Ba(NO<sub>3</sub>)<sub>2</sub>
- M = 261,34 g/mol
  - Melting: 592 C
  - CAS [10022-31-8]
  - UN 1446
  - EC 233-020-5
  - ADR: 5.1 (6.1), II
  - Store at +5C° .... +30C°

Assay	>= 99%
Iron(Fe)	<= 0,0005%
Heavy Metals(Pb)	<= 0,0005%
Strontium(Sr)	<=0,1%
Insoluble in Water	<=0,1%
pH(5%,H <sub>2</sub> O,25 C)	5,0-8,0

#### CLASSIFICATION: ATTENTION

H272 - H301 - H319 - H332 - P221 - P305 + P351 + P338 - P308+P310



#### Product Code

#### Package Type

#### Quantity in Box

TK.201797.01002	1 kg SQR (HDPE)	18
TK.201797.05004	5 kg SQR (HDPE)	4
TK.201797.25006	25 kg Nylon in box	1

### Benzalkonium Chloride (with %50 H<sub>2</sub>O), Extra Pure

- CAS [63449-41-2]
- UN 1760
- ADR: 8, II
- Store at 15C° .... +25C°

Active Content	48,0-52,0%
Amine Salts	<= 2,0%
pH (20 C)	6,0-8,0

#### CLASSIFICATION: HAZARDOUS

H302 - H314 - H400 - P273 - P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



#### Product Code

#### Package Type

#### Quantity in Box

TK.201770.01001	1 lt PLS (HDPE)	12
TK.201770.02500	2,5 lt GLS bottle	4
TK.201770.02501	2,5 lt PLS bottle	6
TK.201770.05001	5 lt PLS (HDPE)	4
TK.201770.25001	25 lt PLS (HDPE)	1

### Benzaldehyde, Extra Pure

- C<sub>7</sub>H<sub>6</sub>O
- M = 106,13 g/mol
  - Melting: -26 C
  - Boiling: 179 C
  - CAS [100-52-7]
  - UN 1990
  - EC 202-860-4
  - ADR: 9, III
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,5%
Density(20 C)	1,04-1,05 gr/cm <sup>3</sup>
Acidity	<= 1,0%
Chloride(Cl)	<= 0,02%
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 50

#### CLASSIFICATION: ATTENTION

H302



#### Product Code

#### Package Type

#### Quantity in Box

TK.201772.01000	1 lt GLS bottle	6
TK.201772.02500	2,5 lt GLS bottle	4
TK.201772.02501	2,5 lt PLS bottle	6
TK.201772.05001	5 lt PLS (HDPE)	4
TK.201772.25001	25 lt PLS (HDPE)	1

### Benzoic Acid, Extra Pure

- C<sub>7</sub>H<sub>6</sub>O<sub>2</sub>
- M = 122,12 g/mol
  - Melting: 121,5 - 123,0 C
  - CAS [65-85-0]
  - UN N/A
  - EC 200-618-2
  - Store at 5C° .... +30C°

Purity (G.C)	>= 99,5%
Density(20 C)	1,04-1,05 gr/cm <sup>3</sup>
Acidity	<= 1,0%
Chloride(Cl)	<= 0,02%
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 50

#### CLASSIFICATION: HAZARDOUS

H315 - H318 - H372 - P280 - P302 + P352 - P305+P351+P338 + P314



#### Product Code

#### Package Type

#### Quantity in Box

TK.200760.00502	500 Gr SQR (HDPE)	18
TK.200760.05004	5 kg SQR (HDPE)	4
TK.200760.25006	25 kg Nylon in box	1

## Laboratory Chemicals

### Benzophenone for Synthesis

- $C_{13}H_{10}O$
- D = 1.1 g/cm<sup>3</sup> (20 °C)
  - Melting: 150 °C
  - CAS [119-61-9]
  - EC 204-337-6
  - UN 3077
  - ADR: 9 III
  - Store at 15C° .... +25C°

Assay (GC):	min.99,0%
Melting point:	47ø-49øC
Acidity:	1ml N%
Loss on drying:	0.1% max.
Chloride (Cl):	0.02% max.
Sulphated ash:	0.05% max.
Solubility:	10%

**CLASSIFICATION: WARNING**  
H410 - P273 - P501



Product Code	Package Type	Quantity in Box
TK.930117.01002	1 kg SQR (HDPE)	18
TK.930117.05004	5 kg SQR (HDPE)	4
TK.930117.25006	25 kg BAG	1

### Benzyl Alcohol, Extra Pure

- $C_7H_8O$
- M = 108,14 g/mol
  - Boiling: 205 C
  - CAS [100-51-6]
  - EC 202-859-9
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,5%
Density (20 C)	1,04-1,05 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Benzaldehyde	<= 0,05%
Water (K.F)	<= 0,1%
Colour (Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: ATTENTION**  
H302+H332 - P271 - P304+P340



Product Code	Package Type	Quantity in Box
TK.201771.01000	1 lt GLS bottle	6
TK.201771.02500	2,5 lt GLS bottle	4
TK.201771.05001	5 lt PLS (HDPE)	4
TK.201771.25001	25 lt PLS (HDPE)	1

### Benzoyl Chloride for Synthesis

- $C_7H_5ClO$
- D = 1.21 g/cm<sup>3</sup> (20 °C)
  - Melting: -0.6 °C
  - CAS [98-88-4]
  - EC 202-710-8
  - UN 1736
  - ADR: 8 II
  - Store at 15C° .... +25C°

Assay:	min. 99.00%
Wt. per ml, 20°C:	1.205 - 1.210 g
Boiling point:	~ 197 °C
Residue on evaporation:	0.05% max.

**CLASSIFICATION: DANGER**  
H302+H312+H332 - H314 - H317 - P280 - P302+P352  
P304+P340 - P305+P351+P338 - P301+P330+P331 - P308+P310



Product Code	Package Type	Quantity in Box
TK.930118.01000	1 lt GLS bottle	6
TK.930118.01001	1 lt PLS (HDPE)	12
TK.930118.02500	2,5 lt GLS bottle	4
TK.930118.02501	2,5 lt PLS bottle	6
TK.930118.05001	5 lt PLS (HDPE)	2
TK.930118.25001	25 lt PLS (HDPE)	1

### Boric Acid, Extra Pure

- $H_3BO_3$
- M = 61,84 g/mol
  - Melting: 185 C
  - CAS [10043-35-3]
  - EC 233-139-2
  - Store at +5C° .... +30C°

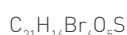
Assay	>= 99,5%
Borontrioxide(B2O3)	>= 56,0%
Sulfate(SO4)	<=0,02%
Chloride(Cl)	<=0,001%
Iron(Fe)	<=0,0007%

**CLASSIFICATION: HAZARDOUS**  
H360 - P201 - P308+P313



Product Code	Package Type	Quantity in Box
TK.020100.01002	1 kg SQR (HDPE)	18
TK.020100.05004	5 kg SQR (HDPE)	4
TK.020100.25006	25 kg Nylon in box	1

### Bromocresol Green Indicator, Analytic Grade



- Molar mass = 698.02 g/mol
- Melting: 217 - 218 °C
- CAS [76-60-8]
- EC 200-972-8
- Store at 15C° .... +25C°

Bulk Density	350 kg/m3
Transition range pH 3.8 - pH 5.4	yellowish green - blue
Loss on drying (110 °C)	≤ 3

#### Product Code

#### Package Type

#### Quantity in Box

TK.930120.00102	100 Gr SQR (HDPE)	1-36
TK.930120.00252	250 Gr SQR (HDPE)	1-36
TK.930120.00502	500 Gr SQR (HDPE)	1-36
TK.930120.01002	1 kg SQR (HDPE)	18

### Bromocresol Purple Indicator, Analytic Grade



- Molar mass = 540.22 g/mol
- Melting: 242 °C
- CAS [115-40-2]
- EC 204-087-8
- Store at 15C° .... +25C°

Bulk Density	515 kg/m3
Transition range pH 5.2 - pH 6.8	Greenish yellow - blue violet.
Loss on drying (110 °C)	≤ 1

#### CLASSIFICATION: WARNING

H315-H319-H335-P261-P305 + P351 + P338



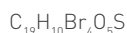
#### Product Code

#### Package Type

#### Quantity in Box

TK.930121.00102	100 Gr SQR (HDPE)	1-36
TK.930121.00252	250 Gr SQR (HDPE)	1-36
TK.930121.00502	500 Gr SQR (HDPE)	1-36
TK.930121.01002	1 kg SQR (HDPE)	18

### Bromophenol Blue Indicator, Analytic Grade



- Molar mass = 669.96 g/mol
- Melting: 270 - 273 °C (decomposition)
- CAS [115-39-9]
- EC 204-086-2
- Store at 15C° .... +25C°

Bulk Density	730 kg/m3
Transition range pH 3 - pH 4.6	Greenish yellow - blue violet.
Loss on drying (110 °C)	≤ 1

#### Product Code

#### Package Type

#### Quantity in Box

TK.930122.00102	100 Gr SQR (HDPE)	1-36
TK.930122.00252	250 Gr SQR (HDPE)	1-36
TK.930122.00502	500 Gr SQR (HDPE)	1-36
TK.930122.01002	1 kg SQR (HDPE)	18

### Bromothymol Blue Indicator, Analytic Grade



- Molar mass = 624.38 g/mol
- CAS [76-59-5]
- EC 200-971-2
- Store at 15C° .... +25C°

Bulk Density	450 kg/m3
Transition range pH 5.8 - pH 7.6	yellow - blue
Loss on drying (110 °C)	≤ 3

#### Product Code

#### Package Type

#### Quantity in Box

TK.930123.00102	100 Gr SQR (HDPE)	1-36
TK.930123.00252	250 Gr SQR (HDPE)	1-36
TK.930123.00502	500 Gr SQR (HDPE)	1-36
TK.930123.01002	1 kg SQR (HDPE)	18

### 2-Butanol (sec-Butanol), Extra Pure



- M = 74.12 g/mol
- Melting: -115 °C
- CAS [78-92-2]
- EC 201-158-5
- UN 1120
- ADR: 3 III
- Store at 15C° .... +25C°
- Density 0.81 g/cm3 (20 °C)
- Flash point 24 °C

Assay:	min.98%
Wt. per ml,20°C:	0.805-0.807g
Boiling point(95%):	98-100°C
Acidity:	0.5ml N%
Non-volatile matter:	0.005%max.
Solubility:	Soluble in water.

#### CLASSIFICATION: WARNING

H226 - H319 - H335+H336-P210 - P304+P340 - P305+P351+P338



#### Product Code

#### Package Type

#### Quantity in Box

TK.930124.01001	1 lt PLS (HDPE)	12
TK.930124.02500	2,5 lt GLS bottle	4
TK.930124.02501	2,5 lt PLS bottle	6
TK.930124.05001	5 lt PLS (HDPE)	2
TK.930124.25001	25 lt PLS (HDPE)	1
TK.930124.25003	25 lt IRN Iron	1

### N-Butyl Acetate, Extra Pure

- $C_6H_{12}O_2$
- M = 116,16 g/mol
  - Melting: -77 C
  - Boiling: 127 C
  - CAS [123-86-4]
  - UN 1123
  - EC 204-658-1
  - ADR: 3, III
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,0%
Density (20 C)	0,88 -0,92 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Colour(Pt-Co)	<= 10
Water (K.F)	<= 0,1%
Appearance	Clear

#### CLASSIFICATION: ATTENTION

H226 - H336 - EUH066 P210



Product Code	Package Type	Quantity in Box
TK.200780.01000	1 lt GLS bottle	6
TK.200780.02500	2,5 lt GLS bottle	4
TK.200780.05001	5 lt PLS (HDPE)	4
TK.200780.25001	25 lt PLS (HDPE)	1
TK.200780.25003	25 lt IRN Iron	1

### N-Butyl Alcohol, Extra Pure

- $C_4H_{10}O$
- M = 74,12 g/mol
  - Melting point: -89,5 C
  - Boiling point: 118 C
  - CAS [71-36-3]
  - UN 1120
  - EC 200-751-6
  - ADR: 3, III
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,5%
Density (20C)	0,80-0,81 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Colour (Pt-Co)	<= 10
Water (K.F)	<= 0,5%
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H226 - H302 - H315 - H318 - H335 - H336  
P210 - P280 - P302+P352 P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.200770.01000	1 lt GLS bottle	6
TK.200770.02500	2,5 lt GLS bottle	4
TK.200770.02501	2,5 lt PLS bottle	6
TK.200770.05001	5 lt PLS (HDPE)	4
TK.200770.25001	25 lt PLS (HDPE)	1
TK.200770.25003	25 lt IRN Iron	1

### Butylhydroxy Toluene (BHT), Extra Pure

- M = 220,65 g/mol
- Melting: 69-73 C
- CAS [128-37-0]
- Store at 15C° .... +25C°

Purity(G.C)	>= 99,5%
Phenol	<= 0,5%
Arsenic(As)	<= 0,0001%
Mercury(Hg)	<= 0,0001%
Lead(Pb)	<= 0,0002%
Heavy Metals(Pb)	<= 0,001%
Ignition Residue	<= 0,002%
Melting Range	69,0-73,0 C
Appearance	Crystal

Product Code	Package Type	Quantity in Box
TK.201798.01002	1 kg SQR (HDPE)	18
TK.201798.05004	5 kg SQR (HDPE)	4
TK.201798.25006	25 kg Nylon in box	1

### Buffer Capsules pH:4,00 (+/-0,05)

Solubility	Soluble in Water
pH	4,00(+/- 0,05)

Product Code	Package Type	Quantity in Box
TK.930083.00001	1 Bot (10 caps)	1

### Buffer Capsules pH:7,00 (+/-0,05)

Solubility	Soluble in Water
pH	7,00(+/- 0,05)

Product Code	Package Type	Quantity in Box
TK.930084.00001	1 Bot (10 caps)	1

### Buffer Capsules pH:9,20 (+/-0,05)

Solubility	Soluble in Water
pH	9,20(+/- 0,05)

Product Code	Package Type	Quantity in Box
TK.930085.00001	1 Bot (10 caps)	1

### Calcium Acetate, Extra Pure



- M = 158.2
- CAS [114460-21-8]
- Store at 15C° .... +25C°

Assay (on dry basis):	min. 99.0%
Chloride(Cl):	0.05% max
Sulphate(SO <sub>4</sub> ):	0.10% max
Heavy metal(as Pb):	0.05% max
Water:	7.0% max

#### CLASSIFICATION: WARNING

H315-H319-H335- 261-P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.930125.00502	500 Gr SQR (HDPE)	18
TK.930125.05004	5 kg SQR (HDPE)	4
TK.930125.25006	25 kg Nylon in box	1

### Calcium Carbonate, Extra Pure

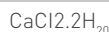


- M = 100,09 g/mol
- Melting: 825 C
- CAS [471 -34-1 ]
- EC 207-439-9
- Store at 15C° .... +25C°

Assay	>= 99%
Chloride	<=0,1%
Sulphate	<= 0,1%
45µm Sifted residue	<=0,05%
Particle Size (<2 µm)	>23,0%
Loss on Drying	<=0,5%

Product Code	Package Type	Quantity in Box
TK.200200.01002	1 kg SQR (HDPE)	18
TK.200200.05004	5 kg SQR (HDPE)	4
TK.200200.25006	25 kg Nylon in box	1

### Calcium Chloride Dihydrate (Food grade), Extra Pure



- M=147,02 g/mol
- Melting: 176 C
- CAS [10035-04-8]
- EC 233-140-8
- Store at 15C° .... +25C°

Assay	>=99,0%
Calcium Chloride	>=75,0%
Sodium Chloride	<= 5,0%
Magnesium Chloride	<= 1,0%
Basicity	<=0,1%
Sulphate(SO <sub>4</sub> )	<=0,1%
Water Insoluble	<=0,05%

#### CLASSIFICATION: ATTENTION

H319-P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.800201.01002	1 kg SQR (HDPE)	18
TK.800201.05004	5 kg SQR (HDPE)	4
TK.800201.25006	25 kg Nylon in box	1

### Calcium Chloride Dihydrate for table water FCC,E 509, Extra Pure



- M = 147.01 g/mol
- Melting: 176 °C
- pH value : 4.5 - 8.5 (50 g/l, H<sub>2</sub>O, 20 °C)
- Bulk density : 430 kg/m<sup>3</sup>
- Solubility : 1280 g/l
- CAS 10035-04-8
- EC 233-140-8
- Store at 15C° .... +25C°

Assay	>=100,5 %
Appearance	Fine crystal powder
Identity	corresponds to test
Appearance of solution	corresponds to test
pH	4,5-9,5
Insoluble matter	<=0,005 %
Alkalinity(0,01 M HCl / 1 g )	<=0,2 ml
Acidity(0,01 M NaOH / 1 g )	<=0,20 ml
Nitrate(NO <sub>3</sub> )	<=0,002 %
Sulphate(SO <sub>4</sub> )	<=0,01 %
Aluminium(Al)	<=0,00002 %
Barium(Ba)	<=0,005 %
Heavy metals(as Pb)	<=0,001 %
Iron(Fe)	<=0,001 %
Magnesium(Mg)	<=0,3 %
Potassium(K)	<=0,01 %
Sodium(Na)	<=0,01 %
Bromide(Br)	<=0,001 %
Fluoride(F)	<=0,004 %
Arsenic(As)	<=0,0002 %
Lead	<=0,0005 %
Copper(Cu)	<=0,001 %
Mercury(Hg)	<=0,0001 %
Water Insoluble	<=0,005 %

#### CLASSIFICATION: HAZARDOUS

H319 - P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.800202.01002	1 kg SQR (HDPE)	18
TK.800202.05004	5 kg SQR (HDPE)	4
TK.800202.25006	25 kg Nylon in box	1



## Laboratory Chemicals

### Calcium Gluconate, Extra Pure

- $C_{12}H_{22}CaO_{14}$
- M=430,37 g/mol
  - CAS [299-28-5]
  - Melting: 201 C
  - Store at 15C° .... +25C°

Purity	>= 99,5%
Melting Point	201 C
pH [5%,H2O, 25 C)	6,0-7,0

Product Code	Package Type	Quantity in Box
TK.201802.01002	1 kg SQR (HDPE)	18
TK.201802.05004	5 kg SQR (HDPE)	4
TK.201802.25006	25 kg Nylon in box	1

### Calcium Hydroxide, Extra Pure

- Ca(OH)<sub>2</sub>
- M = 74,09 g/mol
  - Melting: 550 C
  - CAS [1305-62-0]
  - EC 215-137-3
  - Store at 15C° .... +25C°

Assay[Ca(OH) <sub>2</sub> ]	>= 87%
Magnesium Oxide	<= 1,0%
Insoluble Matter In Acid	<= 1,0%
Ignition Residue	<= 3,0%
Solubility in water	1,7 g/Lt
Particle Size (<90 µm)	>=90,0%

#### CLASSIFICATION: HAZARDOUS

H315 - H318 - H335 P260 - P280 - P302+P352  
P304+P340 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.800100.00502	500 Gr SQR (HDPE)	18
TK.800100.05004	5 kg SQR (HDPE)	4
TK.800100.25006	25 kg Nylon in box	1

### Calcium Lactate Pentahydrate, Extra Pure

- $C_6H_{10}CaO_6.5H_2O$
- M = 308,30 g/mol
  - Melting: 240 C
  - CAS [5743-47-5]
  - EC 248-953-3
  - Store at 15C° .... +25C°

Assay	>= 98%
Chloride(Cl)	<= 0,05%
Sulfate(SO <sub>4</sub> )	<= 0,05%
Iron(Fe)	<= 0,05%
Lead(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0005%
pH[7%,H2O,25c)	6,0-8,0

Product Code	Package Type	Quantity in Box
TK.920098.01002	1 kg SQR (HDPE)	18
TK.920098.05004	5 kg SQR (HDPE)	4
TK.920098.25006	25 kg Nylon in box	1

### Calcium Nitrate Tetrahydrate, Extra Pure

- Ca(NO<sub>3</sub>)<sub>2</sub>.4H<sub>2</sub>O
- M = 236,15 g/mol
  - CAS [13477-34-4]
  - UN 1454
  - EC 233-332-1
  - ADR: 5.1, III
  - Store at 15C° .... +25C°

Assay	>=98,0%
Calcium Oxide(CaO)	>= 23,0%
Calcium(Ca)	>= 16,5%
Nitrogen(N)	>= 11,5%
pH[10%,H2O,25 C)	5,0-6,0

#### CLASSIFICATION: HAZARDOUS

H302 - H318 P280 - P305+P351+P338 P313



Product Code	Package Type	Quantity in Box
TK.920081.01002	1 kg SQR (HDPE)	18
TK.920081.05004	5 kg SQR (HDPE)	4
TK.920081.25006	25 kg Nylon in box	1

### Calcium Oxide (Food grade), Extra Pure

- CaO
- M = 56,08 g/mol
  - Melting: 2580 C
  - CAS [1305-78-8]
  - EC 215-138-9
  - UN 1910
  - ADR: 8, II
  - Store at 15C° .... +25C°

Assay	>= 97%
Chloride	<= 0,05%
Sulphate (SO <sub>4</sub> )	<= 0,05%
Arsenic(As)	<= 0,0003%
Lead(Pb)	<= 0,0002%

#### CLASSIFICATION: HAZARDOUS

H315 - H318 - H335 P261 - P280 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.930068.01002	1 kg SQR (HDPE)	18
TK.930068.05004	5 kg SQR (HDPE)	4
TK.930068.25006	25 kg Nylon in box	1

### Calcium Oxide, Extra Pure

- CaO
- M = 56,08 g/mol
  - Melting: 2580 C
  - CAS [1305-78-8]
  - EC 215-138-9
  - UN 1910
  - ADR: 8, II
  - Store at 15C° .... +25C°

Assay	>= 95%
Chloride	<= 0,1%
Sulphate (SO4)	<= 0,1%
Solubility in water	<= 1,60 g/Lt
pH (20 C)	12-13

#### CLASSIFICATION: HAZARDOUS

H315 - H318 - H335 P261 - P280 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.920068.01002	1 kg SQR (HDPE)	18
TK.920068.05004	5 kg SQR (HDPE)	4
TK.920068.25006	25 kg Nylon in box	1

### Carbol Fuchsin Powder for Microscopy

- C<sub>26</sub>H<sub>26</sub>ClN<sub>3</sub>O
- M = 431.96 g/mol
  - CAS [4197-24-4]
  - UN 2923
  - ADR: 8, 6.1 II
  - Store at 15C° .... +25C°

Solubility:	Soluble in water.
Suitability for microscopy:	Passes Test

#### CLASSIFICATION: WARNING

H302-H314-H332-H341-H350-H373-P201-P280 P305+P351+P338-P310



Product Code	Package Type	Quantity in Box
TK.930126.00102	100 Gr SQR (HDPE)	1-36
TK.930126.00252	250 Gr SQR (HDPE)	1-36
TK.930126.00502	500 Gr SQR (HDPE)	18
TK.930126.01002	1 kg SQR (HDPE)	18

### Carmine

- C<sub>44</sub>H<sub>37</sub>O<sub>27</sub>AlCa<sub>3</sub>H<sub>2</sub>O
- M = 1118.78
  - CAS [1390-65-4]
  - EC 215-724-4

Solubility:	Insoluble in water. Soluble in ammonia solution.
Carminic acid content:	min. 50.00%
Absorption, L max:	565 - 570 nm & 525 - 532 nm (In DMSO)
Absorptivity(A1%,1cm,L max.):	80 - 110 & 105 - 150 (In DMSO)
Suitability for microscopy:	Passes test
Sulphated ash:	10 - 17%
Water:	15.00% max.

Product Code	Package Type	Quantity in Box
TK.930100.00102	100 gr SQR (HDPE)	1-36
TK.930100.00502	500 gr SQR (HDPE)	1-36
TK.930100.01002	1 kg SQR (HDPE)	18

### Charcoal Activated Granule, Extra Pure

- C
- M = 12,01 g/mol
  - Melting: 3550 C
  - CAS [7440-44-0]
  - UN 1362
  - EC 231-153-3
  - ADR: 4.2,III
  - Store at 15C° .... +25C°

Iodine Number	>= 950 mg/gr
Surface Area	>= 900 m2/gr
Methylene Blue	>= 200 mg/gr
Apparent Density	~ 510 gr/Lt.
Wettability	>= 99,5%
Moisture	<=2,0%
pH	7,0-8,0
Available Particle Size	0,60-2,36 mm
Effective Size	0,8 mm

Product Code	Package Type	Quantity in Box
TK.201794.00502	500 Gr SQR (HDPE)	18
TK.201794.05004	5 kg SQR (HDPE)	4
TK.201794.25006	25 kg Nylon in box	1

## Laboratory Chemicals

### Charcoal Activated, Extra Pure

- C
- M = 12,01 g/mol
  - Melting: 3550 C
  - CAS [7440-44-0]
  - UN 1362
  - EC 231-153-3
  - ADR: 4.2,III
  - Store at 15C° .... +25C°

Iodine Number	>= 850 mg/gr
Moisture	<= 5,0%
Ash	<= 6,0%
Surface Area	>= 12 m2/gr
pH	6,0-8,0
Size Analysis	
(200 Mesh 0,015mm)	<= 10,0%
(200 Mesh 0,075mm)	>= 90,0%

Product Code	Package Type	Quantity in Box
TK.200700.01002	1 kg SQR (HDPE)	18
TK.200700.05004	5 kg SQR (HDPE)	4
TK.200700.25006	25 kg Nylon in box	1

### Chloramine T Trihydrate, Extra Pure

- C<sub>7</sub>H<sub>7</sub>ClNaNO<sub>2</sub>S \* 3 H<sub>2</sub>O
- M = 281.69 g/mol
  - CAS [7080-50-4]
  - EC 204-854-7
  - Store at 15C° .... +25C°

pH value	8 - 10 (50 g/l, H <sub>2</sub> O <sub>3</sub> , 20 °C)
Bulk density	540 - 680 kg/m <sup>3</sup>
Solubility	150 g/l

#### CLASSIFICATION: DANGER

H302 - H314 - H334 -EUH031 - P280 - P301 + P330 + P331  
P305 + P351 + P338 - P304 + P340 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930159.01002	1 kg SQR (HDPE)	18
TK.930159.05004	5 kg SQR (HDPE)	4
TK.930159.25006	25 kg Nylon in box	1

### Chlorobenzene Analytic, ACS Grade

- C<sub>6</sub>H<sub>5</sub>Cl
- M = 112.56 g/mol
  - Melting: -45 °C
  - CAS [108-90-7]
  - EC 203-628-5
  - UN 1134
  - ADR: 3 III
  - Store at 15C° .... +25C°
  - Density 1.11 g/cm<sup>3</sup> (20 °C)
  - Flash point 27 °C

Assay (GC):	Min. 99.50%
Color:	30 APHA Max.
Residue after evaporation:	0.02% Max.
Titrate acid:	0.004 meq/g Max.
Aqueous solubility:	0.05 g in 100 mL at 20°C

#### CLASSIFICATION: WARNING

H226 - H315 - H332 - H411- P210 - P273 - P302+P352



Product Code	Package Type	Quantity in Box
TK.930127.01000	1 lt GLS bottle	6
TK.930127.02500	2,5 lt GLS bottle	4

### Chloroform, Extra Pure

- CHCl<sub>3</sub>
- M = 119,38 g/mol
  - Boiling: 61 C
  - CAS [67-66-3]
  - UN 1888
  - EC 200-663-8
  - ADR: 6.1,III
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,5%
Density (20 C)	1,47-1,49 gr/cm <sup>3</sup>
Dichloromethane (CH <sub>2</sub> Cl <sub>2</sub> )	<=0,005%
Chloromethane (CH <sub>3</sub> Cl)	<= 0,0005%
Carbontetrachloride(CCl <sub>4</sub> )	<= 0,008%
Acetone(G.C)	<= 0,0005%
Aldehydes	<= 0,0005%
Chloride(Cl)	<= 0,0005%
Amilen(stabilizator)	5,0-25,0 ppm
Colour(Pt-Co)	<= 10
Acidity	<= 0,0005 meq/gr
Water (K.F.)	<= 0,1%
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H302 - H315 - H319 - H331 - H351 - H361d - H372  
P281 - P302+P352 - P304+P340 - P305+P351+P338 -  
P308+P310



Product Code	Package Type	Quantity in Box
TK.090260.01000	1 lt GLS bottle	6
TK.090260.02500	2,5 lt GLS bottle	4
TK.090260.05003	5 lt PLS (COEX)	4
TK.090260.25001	25 lt PLS (HDPE)	1
TK.090260.25003	25 lt IRN Iron	1

### Chloroform for HPLC & Spectroscopy

CHCl<sub>3</sub>

- M = 119,38 g/mol
- Boiling: 61 C
- CAS [67-66-3]
- UN 1888
- EC 200-663-8
- ADR: 6.1,III
- Store at 15C° .... +25C°

Assay (G.C)	>= 99,8%
Density (20 C)	1,47-1,48 gr/cm <sup>3</sup>
Refractive Index	1,444-1,445
Acidity(as HCl)	<= 0,0005%
Free Chlorine(Cl)	<= 0,0005%
Trans. profile(10mm cell) 245nm	>= 10,0%
Trans. profile(10mm cell) 250nm	>= 50,0%
Trans. profile(10mm cell) 257nm	>= 80,0%
Trans. profile(10mm cell) 270nm	>= 90,0%
Trans. profile(10mm cell) 300nm	>= 98,0%
Residue on evaporation	<= 0,0005%
Water	<= 0,03%
Colour (Pt-Co)	<=10

#### CLASSIFICATION: HAZARDOUS

H302 - H315 - H319 - H331 - H351 - H361d - H372  
P281 - P302+P352 - P304+P340 - P305+P351+P338-  
P308+P310



Product Code	Package Type	Quantity in Box
TK.930086.02500	2,5 lt GLS bottle	4

### Chloroform, ACS Grade

CHCl<sub>3</sub>

- M = 119,38 g/mol
- Boiling: 61 C
- CAS [67-66-3]
- UN 1888
- EC 200-663-8
- ADR: 6.1,III
- Store at 15C° .... +25C°

Assay	>= 99,5%
Colour(APHA)	<= 10
Residue after evaporation	<= 0,001 %
Acetone nad Aldehyde	Passes test
Acid and Chloride	Passes test
Free Chlorine	Passes test
Lead (Pb)	<= 0,05 ppm
Substances darkened by Sulfuric acid	Passes test

#### CLASSIFICATION: HAZARDOUS

H302 - H315 - H319 - H331 - H351 - H361d - H372  
P281 - P302+P352 - P304+P340 - P305+P351+P338 -  
P308+P310



Product Code	Package Type	Quantity in Box
TK.911019.01000	1 lt GLS bottle	6
TK.911019.02500	2,5 lt GLS bottle	4
TK.911019.05003	5 lt PLS (COEX)	4

### Chromium (III) Oxide, Extra Pure

Cr<sub>2</sub>O<sub>3</sub>

- M = 151,99 g/mol
- CAS [1308-38-9]
- EC 215-160-9
- Store at 15C° .... +25C°

Assay	> 98,0%
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Product Code	Package Type	Quantity in Box
TK.201803.01002	1 kg SQR (HDPE)	18
TK.201803.05004	5 kg SQR (HDPE)	4
TK.201803.25006	25 kg Nylon in box	1

### Chromium (VI) Oxide, Extra Pure

Cr<sub>03</sub>

- M = 99,99 g/mol
- Melting: 197 C
- CAS [1333-82-0]
- UN 1463
- EC 215-607-8
- ADR: 5.1,(6.1,8), II
- Store at 15C° .... +25C°

Assay	>= 99,7%
Iron (Fe)	<= 0,005%
Sulphate (SO <sub>4</sub> )	<= 0,005%
Chloride (Cl)	<= 0,005%
pH(1%,H <sub>2</sub> O,20 C)	<=1
Insoluble in Water	<= 0,005%

#### CLASSIFICATION: HAZARDOUS

H340 - H350 - H271 - H301+H311 - H314 - H317 - H330 - H334 -  
H335 - H361f - H372 - H410 P201 - P210 - P273 - P280 - P301+  
P330+P331 - P302+P352 - P304+P340 - P305+P351+P338 -  
P308+P310



Product Code	Package Type	Quantity in Box
TK.200840.01002	1 kg SQR (HDPE)	18
TK.200840.05004	5 kg SQR (HDPE)	4
TK.200840.25006	25 kg Nylon in box	1

## Citric Acid Anhydrous, Extra Pure

- $C_6H_8O_7$
- M = 192,13 g/mol
  - Melting: 153 C [Decomposition]
  - CAS [77-92-9]
  - EC 201-06-1
  - Store at 15C° .... +25C°

Purity	>= 99,5%
Calcium(Ca)	<= 0,02%
Iron(Fe)	<= 0,005%
Heavy Metals(Pb)	<= 0,0005%
Oxalate	<=0,04%
Chloride(Cl)	<= 0,005%
Sulfated Ash	<= 0,05%
Sulfate(SO4)	<= 0,02%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,00005%
Mercury(Hg)	<= 0,0001%
Trilaurylamine	<= 0,00001%
Bacterial Endotoxins	<= 0,5 IU/MG
Water	<= 0,5%
Mesh Size	30-100 Mesh

**CLASSIFICATION: ATTENTION**  
H319 P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.170491.01002	1 kg SQR (HDPE)	18
TK.170491.05004	5 kg SQR (HDPE)	4
TK.170491.25006	25 kg Nylon in box	1

## Citric Acid Monohydrate (Pharma grade), Extra Pure

- $C_6H_8O_7 \cdot H_2O$
- M = 210,14 g/mol
  - Melting: 135 - 152 C
  - CAS [5949-29-1]
  - EC 201-069-1
  - Store at 15C° .... +25C°

Purity	>=99,5%
Oxalic Acid	<=0,01%
Sulfate(SO4)	<=0,01%
Heavy Metals	<=0,0005%
Arsenic(As)	<=0,0001%
Lead(Pb)	<=0,00005%
Mercury(Hg)	<=0,00005%
Calcium(Ca)	<=0,005%
Iron(Fe)	<=0,0005%
Chloride(Cl)	<=0,0005%
Tridodecylamine	<=0,00001%
Ignition Residue	<=0,05%
Sulfated ash	<=0,05%
Water	8,0-9,0%

**CLASSIFICATION: ATTENTION**  
H319 P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.170490.01002	1 kg SQR (HDPE)	18
TK.170490.05004	5 kg SQR (HDPE)	4
TK.170490.25006	25 kg Nylon in box	1

## Cobalt (II) Chloride Hexahydrate, Extra Pure

- $CoCl_2 \cdot 6H_2O$
- M = 237,90 g/mol
  - Erime: 56 C
  - CAS [7791-13-1]
  - UN 3077
  - EC 231-589-4
  - ADR: 9, III
  - Store at +5C° .... +30C°

Assay	>= 95%
Cobalt (Co)	>= 24%
Nickel(Ni)	<= 0,001%
Iron (Fe)	<= 0,001%
Manganese(Mn)	<= 0,001%
Copper(Cu)	<= 0,001%
Calcium(Ca)	<= 0,001%
Magnesium(Mg)	<= 0,001%
Lead(Pb)	<= 0,001%
Insoluble in Water	<= 0,001%

**CLASSIFICATION: HAZARDOUS**

H350i - H360F - H302 - H317 - H334 - H341 - H410  
P201 - P273 - P280 - P302+P352 - P304+P340 - P342+P311



Product Code	Package Type	Quantity in Box
TK.200890.01002	1 kg SQR (HDPE)	18
TK.200890.05004	5 kg SQR (HDPE)	4
TK.200890.25006	25 kg Nylon in box	1

### Cobalt (II) Sulfate Heptahydrate, Extra Pure

- CoSO<sub>4</sub>·7H<sub>2</sub>O  
 • M = 281,10 g/mol  
 • Melting: 98 C  
 • CAS [10026-24-1]  
 • UN 3077  
 • EC 233-334-2  
 • ADR: 9, III  
 • Store at +5C° .... +30C°

Assay	>= 97%
Cobalt (Co)	>= 20%
Nickel(Ni)	<= 0,002%
Iron(Fe)	<= 0,0002%
Manganese(Mn)	<= 0,0001%
Copper(Cu)	<= 0,0001%
Zinc(Zn)	<= 0,0001%
Calcium(Ca)	<= 0,0001%
Magnesium(Mg)	<= 0,0001%
Sodium(Na)	<= 0,0001%
Lead(Pb)	<= 0,0001%
Insoluble in Water	<= 0,0006%

#### CLASSIFICATION: HAZARDOUS

H350i - H360F - H302 - H317 - H334 - H341 - H410  
 P201 - P273 - P280 - P302+P352 - P304+P340 - P342+P311



Product Code	Package Type	Quantity in Box
TK.200891.01002	1 kg SQR (HDPE)	18
TK.200891.05004	5 kg SQR (HDPE)	4
TK.200891.25006	25 kg Nylon in box	1

### Copper (II) Acetate Monohydrate, Extra Pure

- C<sub>4</sub>H<sub>6</sub>CuO<sub>4</sub> \* H<sub>2</sub>O  
 • M = 199,65 g/mol  
 • CAS [6046-93-1]  
 • EC 205-553-3  
 • UN 3077  
 • ADR: 9 III  
 • Store at 15C° .... +25C°

Assay:	min.98.0%
Chloride(Cl):	0.005%max
Sulphate(SO <sub>4</sub> ):	0.03%max
Alkalis(sulphated):	0.3%max
Iron(Fe):	0.02%max
Solubility:	Soluble in water and in alcohol.

#### CLASSIFICATION: WARNING

H302 - H314 - H410 - P273 - P280  
 P301 + P330 + P331 - P305 + P351 + P338 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930128.01002	1 kg SQR (HDPE)	18
TK.930128.05004	5 kg SQR (HDPE)	4
TK.930128.25006	25 kg Nylon in box	1

### Copper (II) Carbonate, Extra Pure

- CuCO<sub>3</sub>·Cu(OH)<sub>2</sub>  
 • M = 221,10 g/mol  
 • Melting: 200 C  
 • CAS [12069-69-1]  
 • EC 235-113-6  
 • Store at 15C° .... +25C°

Assay (Cu)	54,0-57%
Sulphur (S)	<= 0,3%
Iron (Fe)	<= 0,1%
Zinc (Zn)	<= 0,02%
Nickel (Ni)	<= 0,01%
Lead (Pb)	<= 0,005%
Manganese (Mn)	<= 0,02%
Chloride (Cl)	<= 0,1%

#### CLASSIFICATION: ATTENTION

H302 - H315 - H319 - H335  
 P261 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.020070.01002	1 kg SQR (HDPE)	18
TK.020070.05004	5 kg SQR (HDPE)	4
TK.020070.25006	25 kg Nylon in box	1

### Copper (II) Chloride, Extra Pure

- CuCl<sub>2</sub>·2H<sub>2</sub>O  
 • M = 170,48 g/mol  
 • Melting: 100 C  
 • CAS [10125-13-0]  
 • UN 2802  
 • EC 231-210-2  
 • ADR: 8,III  
 • Store at 15C° .... +25C°

Assay	>= 98,0%
Copper(Cu)	>= 36,0%
Copper Nitrate Sulfate(SO <sub>4</sub> )	<= 0,5%
Free Acid(HNO <sub>3</sub> )	<= 0,01%
Moisture	<= 0,1%
Iron(Fe)	<= 5,0%
Lead(Pb)	<= 0,01%
Arsenic(As)	<= 0,01%
Sodium(Na)	<= 0,01%
Calcium(Ca)	<= 0,01%
pH(5 %,H <sub>2</sub> O,20 C)	<= 0,01%
	3,0-4,0

#### CLASSIFICATION: ATTENTION

H302 - H315 - H319 - H410 P273 -  
 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.930077.01002	1 kg SQR (HDPE)	18
TK.930077.05004	5 kg SQR (HDPE)	4
TK.930077.25006	25 kg Nylon in box	1

### Copper (II) Nitrate Trihydrate, Extra Pure

- Cu(NO<sub>3</sub>)<sub>2</sub> · 3H<sub>2</sub>O
- M = 241,60 g/mol
  - Melting: ~ 114 C
  - CAS [10031-43-3]
  - UN 1477
  - EC 221-838-5
  - ADR: 5.1,II
  - Store at 15C° .... +25C°

Assay	>= 98,0%
Copper (Cu)	>= 25,0%
Iron(Fe)	<= 0,005%
Lead(Pb)	<= 0,005%
pH(5%,H <sub>2</sub> O,20 C)	3,0-4,0

**CLASSIFICATION: HAZARDOUS**  
 H272 - H302 - H315 - H319 - H410 P210 -  
 P221 - P273 - P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.201774.01002	1 kg SQR (HDPE)	18
TK.201774.05004	5 kg SQR (HDPE)	4
TK.201774.25006	25 kg Nylon in box	1

### Copper (II) Oxide, Extra Pure

- CuO
- M = 79,55 g/mol
  - Melting: 1326 C
  - CAS [1317-38-0]
  - UN 3077
  - EC 215-269-1
  - ADR: 9,III
  - Store at 15C° .... +25C°

Assay	>=97,0%
Total Copper(Cu)	>=77,0%
Moisture	<=0,5%
Mesh Analysis(352 Mesh)	<=0,5

**CLASSIFICATION: ATTENTION**  
 H302 - H410 P260 - P273



Product Code	Package Type	Quantity in Box
TK.200750.01002	1 kg SQR (HDPE)	18
TK.200750.05004	5 kg SQR (HDPE)	4
TK.200750.25006	25 kg Nylon in box	1

### Copper (II) Sulfate Pentahydrate, Extra Pure

- CuSO<sub>4</sub> · 5H<sub>2</sub>O
- M = 249,68 g/mol
  - CAS [7758-99-8]
  - UN 3077
  - EC 231-847-6
  - ADR: 9,III
  - Store at 15C° .... +25C°

Assay	>= 98,0%
Total Copper(Cu)	>= 25,0%
Iron(Fe)	<= 0,01%
Lead(Pb)	<= 0,0008%
Arsenic(As)	<= 0,0008%
Moisture	<= 2,0%
pH(5%,H <sub>2</sub> O,20 C)	3,0-5,0

**CLASSIFICATION: ATTENTION**  
 H302 - H315 - H319 - H410 P273 -  
 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.800300.01002	1 kg SQR (HDPE)	18
TK.800300.05004	5 kg SQR (HDPE)	4
TK.800300.25006	25 kg Nylon in box	1

### M-Cresol, Extra Pure

- C<sub>7</sub>H<sub>8</sub>O
- M = 108.14 g/mol
  - Melting: 11.5 °C
  - CAS [108-39-4]
  - EC 203-577-9
  - UN 2076
  - ADR: 6.1 (8) II
  - Store at 15C° .... +25C°
  - Density 1.03 g/cm<sup>3</sup> (20 °C)
  - Flash point 86 °C

Assay (GC):	min.98%
Wt. per ml,20°C:	1.033-1.035 g
Refractive index:	1.539-1.541

**CLASSIFICATION: DANGER**  
 H301 + H311 - H314 - P280 - P301 + P330 + P331 - P302  
 + P352



Product Code	Package Type	Quantity in Box
TK.930129.01000	1 lt GLS bottle	6
TK.930129.02500	2,5 lt GLS bottle	4



### Cyclohexane, Extra Pure

- $C_6H_{12}$
- M = 84,16 g/mol
  - Melting: 6 C
  - Boiling: 80 - 81 C
  - CAS [110-82-7]
  - UN 1145
  - EC 203-806-2
  - ADR: 3,II
  - Store at 15C° .... +25C°

Assay(G.C)	>= 99,5%
Density(20 C)	0,777-0,785 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water	<= 0,1%
Freezing Point	5,5-7,5 C
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H304 - H315 - H336 - H410 P210 - P240 - P273 - P301+P330+P331 - P302+P352 - P403+P233



Product Code	Package Type	Quantity in Box
TK.201791.01000	1 lt GLS bottle	6
TK.201791.02500	2,5 lt GLS bottle	4
TK.201791.05001	5 lt PLS (HDPE)	4
TK.201791.25001	25 lt PLS (HDPE)	1
TK.201791.25003	25 lt IRN Iron	1

### Cyclohexanone, Extra Pure

- $C_6H_{10}O$
- M = 98,15 g/mol
  - Melting: -31 C
  - Boiling: ~ 156 C
  - CAS [108-94-1]
  - UN 1915
  - EC 203-631-1
  - ADR: 3,III
  - Store at 15C° .... +25C°

Purity(G.C)	>= 99,5%
Density(20 C)	0,94-0,96 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Non-Volatile Matter	<= 0,1%
Colour(Pt-Co)	<= 10
Water(K.F)	<= 0,5%
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H226 - H332 P210



Product Code	Package Type	Quantity in Box
TK.201792.01000	1 lt GLS bottle	6
TK.201792.02500	2,5 lt GLS bottle	4
TK.201792.05001	5 lt PLS (HDPE)	4
TK.201792.25001	25 lt PLS (HDPE)	1

### 1,2-Dichlorobenzene, Extra Pure

- $C_6H_4Cl_2$
- M = 147 g/mol
  - Melting: -17 °C
  - CAS [95-50-1]
  - EC 202-425-9
  - UN 1591
  - ADR: 6.1 III
  - Store at 15C° .... +25C°
  - Density 1.31 g/cm<sup>3</sup> (20 °C)
  - Flash point 66 °C

Assay (GC):	Min. 98.00%
Boiling point (95%):	177ø - 181øC
Wt. per ml, 20øC:	1.303 - 1.305g
Refractive index:	1.551 - 1.552

#### CLASSIFICATION: WARNING

H302 + H315 - H317 - H319 - H335 - H410 P273 - P280 - P302 + P352 P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.930130.01000	1 lt GLS bottle	6
TK.930130.02500	2,5 lt GLS bottle	4

## Do you know!

That you can download the analysis certificate only by scanning the QR code with your mobile phone?



## Laboratory Chemicals

### Diethyl Ether, Extra Pure

- $C_4H_{10}O$
- M = 74,12 g/mol
  - Boiling: 34,0-36,0 C
  - CAS [60-29-7]
  - UN 1155
  - EC 200-467-2
  - ADR: 3,I
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99 %
Density [20 C]	0,710-0,718 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Peroxide(as H2O2)	<= 0,00003%
Water(K.F)	<= 0,5%
Colour(Pt-Co)	<= 10
Appearance	Clear
*Stabilized with	5-10 ppm BHT

#### CLASSIFICATION: HAZARDOUS

H224 - H302 - H336 - EUH019 - EUH066  
P210 - P240 - P304+P340 - P403+P233



Product Code	Package Type	Quantity in Box
TK.150130.01000	1 lt GLS bottle	6
TK.150130.01003	1 lt ALU bottle	12
TK.150130.02500	2,5 lt GLS bottle	4
TK.150130.05005	5 lt ALU bottle	4
TK.150130.25003	25 lt IRN Iron	1

### Diethyl Ether, Analytic Grade

- $C_4H_{10}O$
- M = 74,12 g/mol
  - Boiling: 34,0-36,0 C
  - CAS [60-29-7]
  - UN 1155
  - EC 200-467-2
  - ADR: 3,I
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,5%
Density [20 C]	0,710-0,718 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Peroxide(as H2O2)	<= 0,00003%
Water(K.F)	<= 0,5%
Colour(Pt-Co)	<= 10
Appearance	Clear
*Stabilized with	5-10 ppm BHT

#### CLASSIFICATION: HAZARDOUS

H224 - H302 - H336 - EUH019 - EUH066  
P210 - P240 - P304+P340 - P403+P233



Product Code	Package Type	Quantity in Box
TK.911131.01000	1 lt GLS bottle	6
TK.911131.01003	1 lt ALU bottle	12
TK.911131.02500	2,5 lt GLS bottle	4
TK.911131.05005	5 lt ALU bottle	4
TK.911131.25003	25 lt IRN Iron	1

### N-N-Dimethylformamide, Extra Pure

- $C_3H_7NO$
- M = 73,10 g/mol
  - Melting: -61 C
  - Boiling: 153 C
  - CAS [68-12-2]
  - UN 2265
  - EC 200-679-5
  - ADR: 3,III
  - Store at 15C° .... +25C°

Purity(G.C)	>= 99,9%
Density[20 C]	<= 0,94-0,95 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 5
pH(20 %, H2O,25 C)	6,5-7,5
Conductivity(20 %,H2O, 20 C)	<= 1 µs/cm
Appearance	Clear

#### CLASSIFICATION: ATTENTION

H360D - H226 - H312+H322 - H319 P201 - P210  
P302+P352 - P301+P331+P338 - P308+P313



Product Code	Package Type	Quantity in Box
TK.050151.01000	1 lt GLS bottle	6
TK.050151.01001	1 lt PLS (HDPE)	12
TK.050151.02500	2,5 lt GLS bottle	4
TK.050151.02501	2,5 lt PLS bottle	6
TK.050151.05001	5 lt PLS (HDPE)	4
TK.050151.25001	25 lt PLS (HDPE)	1

### Dimethyl Sulfoxide Gr for Analysis

- $C_2H_6OS$
- M = 78,13 g/mol
  - Melting: 18-19 C
  - Boiling: ~ 189 C
  - CAS [67-68-5]
  - EC 200-664-3
  - Store at 15C° .... +25C°

Assay (G.C)	>= 99,5%
Density [20 C]	1,09-1,11 g/cm <sup>3</sup>
Acidity(CH3COOH)	<= 0,001%
Evaporation Residue	<= 0,01%
Water	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

Product Code	Package Type	Quantity in Box
TK.201790.01000	1 lt GLS bottle	6
TK.201790.02500	2,5 lt GLS bottle	4
TK.201790.02501	2,5 lt PLS bottle	6
TK.201790.05001	5 lt PLS (HDPE)	4
TK.201790.25001	25 lt PLS (HDPE)	1

### Dimethyl Sulfoxide, ACS Grade

$C_2H_6OS$

- M = 78,13 g/mol
- Melting: 18-19 C
- Boiling: ~ 189 C
- CAS [67-68-5]
- EC 200-664-3
- Store at 15C° .... +25C°

Assay (G.C)	>= 99,9%
Residue after evaporation	<= 0,01%
Titration acid	<= 0,001 meq/gr
Water	<= 0,1%
Colour(APHD)	

#### Ultraviolet Spektrophotometry

Wavelength (nm)	
350-400	Max 0,01 AU
330	Max 0,02 AU
310	Max 0,06 AU
290	Max 0,18 AU
270	Max 0,40 AU

Product Code	Package Type	Quantity in Box
TK.911018.01000	1 lt GLS bottle	6
TK.911018.02500	2,5 lt GLS bottle	4
TK.911018.02501	2,5 lt PLS bottle	6
TK.911018.05001	5 lt PLS (HDPE)	4

### 1,4-Dioxan (stabilized) Analytic, ACS Grade

$C_6H_8O_2$

- M = 88,11 g/mol
- CAS [123-91-1]
- EC 204-661-8
- UN 1165
- ADR: 3 II
- Store at 15C° .... +25C°
- Density 1.03 g/cm3 [20 °C]
- Flash point 11 °C

Assay:	Min. 99,0%
Freezing point:	Not below 11.0øC
Colour (APHA):	20 Max.
Peroxides(H2O2):	0.005% Max.
Residue after evaporation:	0.005% Max.
Titration acid:	0.0016 meq/g Max.
Carbonyl (as HCHO):	0.01% Max.
Water:	0.05% Max.

#### CLASSIFICATION: DANGER

H225 - H319 - H335 - H351 - P210 - P240  
P305 + P351 + P338 - P308 + P313 - P403 + P233



Product Code	Package Type	Quantity in Box
TK.930131.01000	1 lt GLS bottle	6
TK.930131.02500	2,5 lt GLS bottle	4
TK.930131.25003	25 lt IRN Iron	1

### Diphenylamine (Redox indicator), Analytic Grade

$C_{12}H_{11}N$

- M = 169.23 g/mol
- CAS [122-39-4]
- UN 3077
- ADR: 9 III
- EC 204-539-4
- Store at 15C° .... +25C°

Assay (GC area%):	>= 99,0%
Density	1.16 g/cm3 [20 °C]
Flash point	153 °C DIN 51758
Melting Point	53 - 54 °C
Solubility	0.05 g/l

#### CLASSIFICATION: DANGER

H301 + H311 + H331 - H373 - H410  
P273 - P280 - P302 + P352 - P304 + P340 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930132.00102	100 gr PLS bottle	1-36
TK.930132.00252	250 gr PLS bottle	1-36
TK.930132.01002	1 Kg PLS bottle	18

### Eriochrome Black T (C.I. 14645), Gr for Analysis

$C_{20}H_{12}N_3NaO_7S$

- M = 461.38 g/mol
- CAS [ 1787-61-7]
- EC 217-250-3
- UN 3077
- ADR: 9 III
- Store at 15C° .... +25C°

Solubility:	Soluble in hot water.
Dye content:	~60%
Suitability as metal indicator:	Passes test
Loss on drying,100øC:	1.0% max

#### CLASSIFICATION: HAZARDOUS

H319 - H411 - P273 - P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.930133.00102	100 Gr SQR (HDPE)	1-36
TK.930133.00252	250 Gr SQR (HDPE)	1-36
TK.930133.00502	500 Gr SQR (HDPE)	1-36
TK.930133.01002	1 kg SQR (HDPE)	18

### Ethanol Absolute %99.5, Extra Pure

- $C_2H_5OH$
- M = 46,07 g/mol
  - Melting: -114,5 C
  - Boiling: 78,3 C
  - CAS [64-17-5]
  - UN 1170
  - EC 200-578-6
  - ADR: 3,II
  - Store at 15C° .... +25C°

Purity (G.C)	>= 99,5%
Density (20 C)	0,790-0,793 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0003 meq/gr
Water (KF)	<= 0,5 %
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H319 P210 - P240 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.200655.01000	1 lt GLS bottle	6
TK.200655.01001	1 lt PLS (HDPE)	12
TK.200655.02500	2,5 lt GLS bottle	4
TK.200655.02501	2,5 lt PLS bottle	6
TK.200655.05001	5 lt PLS (HDPE)	4
TK.200655.25001	25 lt PLS (HDPE)	1
TK.200655.25003	25 lt IRN Iron	1

### Ethanol Absolute %99.9, ACS Grade

- M = 46,07 g/mol
- Melting: -114,5 C
- Boiling: 78,3 C
- CAS [64-17-5]
- UN 1170
- EC 200-578-6
- ADR: 3,II
- Store at 15C° .... +25C°

Assay	>= 99,9% (by volume) >= 99,9% (by weight) >= 99,9% (by volume) >= 99,9% (by weight)
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Water <= 0,2 %	
Solubility in water	Passes test
Residue after evaporation	<= 0,001 % %
Acetone, Isopropyl alcohol	Passes test
Titrate acid	<= 0,0005 meq/gr
Titrate base	<= 0,0002 meq/gr
Methanol	<= 0,1 %
Substances darkened by Sulfuric acid	Passes test
Substances reducing permanganate	Passes test
Colour (APHA)	<= 10

#### Ultraviolet Spectrophotometry

Wavelength (nm)	
270-400	Max 0,01 AU
240	Max 0,05 AU
230	Max 0,15 AU
220	Max 0,25 AU
210	Max 0,40 AU

#### CLASSIFICATION: HAZARDOUS

H225 - H319 P210 - P240 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.911015.01000	1 lt GLS bottle	6
TK.911015.02500	2,5 lt GLS bottle	4
TK.911015.02501	2,5 lt PLS bottle	6
TK.911015.05001	5 lt PLS (HDPE)	4

### Di-Ethanolamine, Extra Pure

- $C_4H_{11}NO_2$
- M = 105,14 g/mol
  - Melting: 28 C
  - Boiling: 269-270 C
  - CAS [111-42-2]
  - EC 203-868-0
  - Store at 15C° .... +25C°

Assay	>= 99,0%
Density(30 C)	1,09-1,10 gr/cm <sup>3</sup>
Monoethanolamine	<= 0,5%
Triethanolamine	<= 0,5%
Water	<= 0,2%
Colour(Pt-Co)	<= 20

#### CLASSIFICATION: HAZARDOUS

H302 - H315 - H318 - H373  
P280 - P302+P352 P305+P351+P338 - P314



Product Code	Package Type	Quantity in Box
TK.930078.01000	1 lt GLS bottle	6
TK.930078.01001	1 lt PLS (HDPE)	12
TK.930078.02500	2,5 lt GLS bottle	4
TK.930078.02501	2,5 lt PLS bottle	6
TK.930078.05001	5 lt PLS (HDPE)	4
TK.930078.25001	25 lt PLS (HDPE)	1

### Ethyl Acetate, Extra Pure

- $C_4H_8O_2$
- M = 88,10 g/mol
  - Boiling : 77 C
  - CAS [141-78-6]
  - UN 1173
  - EC 205-500-4
  - ADR: 3,II
  - Store at +5C° .... +25C°

Purity (G.C)	>=99,5%
Density (20 C)	0,90-0,94 g/cm <sup>3</sup>
Acidity	<=0,0008 meq/gr
Water(K.F)	<=0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225-H319-H336-EUH066 P210-P240-P305+P351+P338-P403+P233



Product Code	Package Type	Quantity in Box
TK.050140.01000	1 lt GLS bottle	6
TK.050140.02500	2,5 lt GLS bottle	4
TK.050140.05001	5 lt PLS (HDPE)	4
TK.050140.25001	25 lt PLS (HDPE)	1
TK.050140.25003	25 lt IRN Iron	1

### Ethyl Acetate, ACS Grade

- $C_4H_8O_2$
- M = 88,10 g/mol
  - Boiling : 77 C
  - CAS [141-78-6]
  - UN 1173
  - EC 205-500-4
  - ADR: 3,II
  - Store at +5C° .... +25C°

Assay	>=99,5%
Colour(APHA)	<= 10
Residue evaporation	<=0,003 %
Water	<=0,2 %
Titration acid	<=0,0009 meq/gr
Substances darkened by Sulfuric acid	Passes test

#### Ultraviolet Spectrophotometry

Wavelength (nm)	
330-400	Max 0,01 AU
275	Max 0,05 AU
263	Max 0,10 AU
257	Max 0,50 AU
255	Max 1,00 AU

#### CLASSIFICATION: HAZARDOUS

H225 - H319 - H336 - EUH066 P210 - P240 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.911014.01000	1 lt GLS bottle	6
TK.911014.02500	2,5 lt GLS bottle	4
TK.911014.05001	5 lt PLS (HDPE)	4

### Ethyl Alcohol %96 + 2-Propanol mixture Teksoil®

- UN 1170
- ADR: 3,II
- Store at 15C° .... +25C°

Purity	>= 95,0 %
Density	0,801-0,805 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Colour(Pt-Co)	<= 10
Water(K.F)	<= 5,8 %
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H319 P210 - P240 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.200650.01001	1 lt PLS (HDPE)	12
TK.200650.02501	2,5 lt PLS bottle	6
TK.200650.05001	5 lt PLS (HDPE)	4
TK.200650.25001	25 lt PLS (HDPE)	1

### Ethylene Glycol (MonoEthylene Glycol), Extra Pure

- $C_2H_6O_2$
- M = 62,07 g/mol
  - Boiling: 195-198 C
  - CAS [107-21-1]
  - EC 203-473-3
  - Store at 15C° .... +25C°

Purity	>= 99,5%
Density(20 C)	1,11-1,12 g/cm <sup>3</sup>
Diethylene Glycol	<= 0,05%
Iron(Fe)	<=0,0001%
Aldehydes(formaldehyde)	<=0,002%
Chloride(Cl)	<=0,0005%
Acidity	<=0,001%
Water(K.F)	<=0,1%
Colour(Pt-Co)	<=10
UV Transm %	
220 nm	>=70
275 nm	>=90
350 nm	>=97
Appearance	Clear

#### CLASSIFICATION: ATTENTION

H302 - H373 P314



Product Code	Package Type	Quantity in Box
TK.010101.01001	1 lt PLS (HDPE)	12
TK.010101.02500	2,5 lt GLS bottle	4
TK.010101.02501	2,5 lt PLS bottle	6
TK.010101.05001	5 lt PLS (HDPE)	4
TK.010101.25001	25 lt PLS (HDPE)	1

## Ethylene Glycol Monobutyl Ether (Butyl Glycol), Extra Pure

- $C_6H_{14}O_2$
- M = 118,18 g/mol
  - Boiling: 170 - 172 C
  - CAS [111-76-2]
  - EC 203-905-0
  - Store at 15C° .... +25C°

Purity (G.C)	>=99,5%
Density (20 C)	0,90-0,91 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<=10
Appearance	Clear

**CLASSIFICATION: ATTENTION**  
H302+H312+H332 - H315 - H319 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.200781.01000	1 lt GLS bottle	6
TK.200781.02500	2,5 lt GLS bottle	4
TK.200781.02501	2,5 lt PLS bottle	6
TK.200781.05001	5 lt PLS (HDPE)	4
TK.200781.25001	25 lt PLS (HDPE)	1

## Di-Ethylene Glycol, Extra Pure

- $C_4H_{10}O_3$
- M = 106,12 g/mol
  - Boiling: 240 - 245 C
  - CAS [111-46-6]
  - EC 203-872-2
  - Store at 15C° .... +25C°

Purity	>= 99,5%
Density(20 C)	1,11-1,12 gr/cm <sup>3</sup>
Acidity(CH3COOH)	<= 0,005%
Monoethylene Glycol	<= 1,0%
Chloride(Cl)	<= 0,00005%
Iron(Fe)	<= 0,5%
Sulfated Ash	<= 0,005%
Water	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: ATTENTION**  
H302 - H373



Product Code	Package Type	Quantity in Box
TK.050152.01001	1 lt PLS (HDPE)	12
TK.050152.02500	2,5 lt GLS bottle	4
TK.050152.02501	2,5 lt PLS bottle	6
TK.050152.05001	5 lt PLS (HDPE)	4
TK.050152.25001	25 lt PLS (HDPE)	1

## Ethylenediaminetetraacetic Acid (EDTA-2Na) Titriplex III, Extra Pure

- $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
- M = 372,24 g/mol
  - Melting: 252 C
  - CAS [6381-92-6]
  - EC 205-358-3
  - Store at 15C° .... +25C°

Assay	>= 99,0%
EDTA-Na2	>=89,0%
Ph (% 1,H2O,25 C)	4,0-5,0

**CLASSIFICATION: ATTENTION**  
H332 P271 - P260 - P312 - P304+P340



Product Code	Package Type	Quantity in Box
TK.930072.01002	1 kg SQR (HDPE)	18
TK.930072.05004	5 kg SQR (HDPE)	4
TK.930072.25006	25 kg Nylon in box	1

## Ethylenediaminetetraacetic Acid (EDTA-4Na), Extra Pure

- $C_{10}H_{12}N_2Na_4O_8$
- M = 380,2 g/mol
  - CAS [64-02-8]
  - EC 200-573-9
  - Store at 15C° .... +25C°

Sequestering(MgCa)	86,0-89,0
pH(1 %,H2O,25 C)	11,0-12,0
Colour	Visual White
Odour	Odourless
Aspect	Visual Fine Powder

**CLASSIFICATION: ATTENTION**  
H302 - H318 P280 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.080212.01002	1 kg SQR (HDPE)	18
TK.080212.05004	5 kg SQR (HDPE)	4
TK.080212.25006	25 kg Nylon in box	1

## Eosine Yellow (C.I.45380) for microscopy

- $C_{20}H_6Br_4Na_2O_5$
- M = 691,88 g/mol
  - CAS [17372-87-1]
  - EC 201-409-6
  - Store at +5C° .... +30C°

Dye Content	>= 88%
Absorption(water)	515-518 nm
Loss ond Drying (110 C)	<= 8,0%
Suitability for microscopy	Passes Test

**CLASSIFICATION: ATTENTION**  
H319 P260 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.930088.00102	100 Gr SQR (HDPE)	1-36
TK.930088.00502	500 Gr SQR (HDPE)	18
TK.930088.01002	1 kg SQR (HDPE)	18

### Formaldehyde Solution %10 (Stabilized min. %1 Methanol) Pathology & Histology, Extra Pure

CH<sub>2</sub>O(aq)  
• Store at 15C° .... +25C°

Assay (Formaldehyde)	3,8-4,0%
Density (20 C)	1,01-1,02 g/cm <sup>3</sup>
Free Acid	<= 0,005%
Methanol	1,0-2,0 %
Iron(Fe)	<= 0,5 ppm
Lead(Pb)	<= 0,5 ppm
Colour (Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H350 - H352 - H317 - H341 P201 - P280 - P302+  
P352 - P308+P313



Product Code	Package Type	Quantity in Box
TK.030408.01001	1 lt PLS (HDPE)	12
TK.030408.02501	2,5 lt PLS bottle	6
TK.030408.05001	5 lt PLS (HDPE)	4
TK.030408.20005	20 lt TAP bidon (HDPE)	1
TK.030408.25005	25 lt TAP bidon (HDPE)	1

### Formaldehyde Solution %10 Buffered pH:6,8-7,2 (min. %1 Methanol) Pathology & Histology, Extra Pure

CH<sub>2</sub>O(aq)  
• Store at 15C° .... +25C°

Assay (Formaldehyde)	3,8-4,0%
Density (20 C)	1,01-1,02 g/cm <sup>3</sup>
Free Acid	<= 0,005%
Methanol	1,0-2,0 %
Iron(Fe)	<= 0,5 ppm
Lead(Pb)	<= 0,5 ppm
Colour (Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H350 - H352 - H317 - H341 P201 - P280 -  
P302+P352 - P308+P313



Product Code	Package Type	Quantity in Box
TK.060161.01001	1 lt PLS (HDPE)	12
TK.060161.02501	2,5 lt PLS bottle	6
TK.060161.05001	5 lt PLS (HDPE)	4
TK.060161.20005	20 lt TAP bidon (HDPE)	1
TK.060161.25005	25 lt TAP bidon (HDPE)	1

### Formaldehyde Solution %2,0 (Stabilized min. %1 Methanol) Pathology & Histology, Extra Pure

CH<sub>2</sub>O(aq)  
• Store at 15C° .... +25C°

Assay (Formaldehyde)	1,9-2,2%
Density (20 C)	1,00-1,01 g/cm <sup>3</sup>
Free Acid	<= 0,005%
Methanol	1,0-2,0 %
Iron(Fe)	<= 0,5 ppm
Lead(Pb)	<= 0,5 ppm
Colour (Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H350 - H302 - H317 - H341 P201 - P280 - P302+P352-  
P308+P313



Product Code	Package Type	Quantity in Box
TK.310708.01001	1 lt PLS (HDPE)	12
TK.310708.02501	2,5 lt PLS bottle	6
TK.310708.05001	5 lt PLS (HDPE)	4
TK.310708.20005	20 lt TAP bidon (HDPE)	1
TK.310708.25005	25 lt TAP bidon (HDPE)	1

### Formaldehyde Solution %3,0 (Stabilized min. %1 Methanol) Pathology & Histology, Extra Pure

CH<sub>2</sub>O(aq)  
• Store at 15C° .... +25C°

Assay (Formaldehyde)	2,9-3,1%
Density (20 C)	1,00-1,01 g/cm <sup>3</sup>
Free Acid	<= 0,005%
Methanol	1,0-2,0 %
Iron(Fe)	<= 0,5 ppm
Lead(Pb)	<= 0,5 ppm
Colour (Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H350 - H302 - H317 - H341 P201 - P280 -  
P302+P352-P308+P313



Product Code	Package Type	Quantity in Box
TK.310707.01001	1 lt PLS (HDPE)	12
TK.310707.02501	2,5 lt PLS bottle	6
TK.310707.05001	5 lt PLS (HDPE)	4
TK.310707.20005	20 lt TAP bidon (HDPE)	1
TK.310707.25005	25 lt TAP bidon (HDPE)	1



### Formaldehyde Solution %37 (Stabilized min. %10 Methanol), Extra Pure

- CH<sub>2</sub>O(aq)
- Melting: < -15 C
  - Boiling: 93 - 96 C
  - CAS [50-00-0]
  - UN 2209
  - EC 200-008-8
  - Store at 15C° .... +25C°
  - ADR:8, III

Assay	36,0-38,0 %
Density [20 C]	1,08-1,098 gr/cm <sup>3</sup>
Methanol (G.C)	10,0-15,0%
Free Acid (HCOOH)	<= 0,05 %
Iron(Fe)	<= 1,0ppm
Lead(Pb)	<= 0,5ppm
Colour(Pt-Co)	<= 10
pH[20 C]	2,8-4,2
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H350 - H301+H311+H331 - H314 - H317 - H335- H341 - H370  
- P201 - P280 - P301+P330+P331- P302+P352 - P304+P340  
-P305+P351+P338-P308+P310



Product Code	Package Type	Quantity in Box
TK.060160.01001	1 lt PLS (HDPE)	12
TK.060160.02501	2,5 lt PLS bottle	6
TK.060160.05001	5 lt PLS (HDPE)	4
TK.060160.20001	20 lt PLS (HDPE)	1
TK.060160.25001	25 lt PLS (HDPE)	1

### Formaldehyde Solution %37 (Stabilized min. %10 Methanol), ACS Grade

- CH<sub>2</sub>O(aq)
- Melting: < -15 C
  - Boiling: 93 - 96 C
  - CAS [50-00-0]
  - UN 2209
  - EC 200-008-8
  - Store at 15C° .... +25C°
  - ADR:8, III

Assay	36,5 - 38,0 %
Colour(APHA)	<= 10
Residue after Ignition	<= 0,005 %
Titration acid	<= 0,006 meq/gr
Chloride [Cl]	<= 0,0005 %
Sulfate [SO <sub>4</sub> ]	<= 0,002 %
Heavy Metals (as Pb)	<= 0,0005 %
Iron (Fe)	<= 0,0005 %

#### CLASSIFICATION: HAZARDOUS

H350 - H301+H311+H331 - H314 - H317 - H335 - H341 - H370  
P201 - P280 - P301+P330+P331 - P302+P352 - P304+P340  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.911012.01001	1 lt PLS (HDPE)	12
TK.911012.02501	2,5 lt PLS bottle	6
TK.911012.05001	5 lt PLS (HDPE)	4

### Formaldehyde Solution %37 (Tamp. PH :6,9-7,1) (Sta.min. %10 Methanol) Pathology & Histology, Extra Pure

- CH<sub>2</sub>O(aq)
- M = 30,03 g/mol
  - Melting: < -15 C
  - Boiling: 93 - 96 C
  - CAS [50-00-0]
  - UN 2209
  - EC 200-008-8
  - Store at 15C° .... +25C°
  - ADR:8, III

Assay	36-38%
Density [20 C]	1,09-1,10 g/cm <sup>3</sup>
Methanol	10-15 %
Free Acid (HCOOH)	<= 0,05 %
Na <sub>2</sub> HPO <sub>4</sub> (Anhydrous)	8,0-10,0 gr/Lt.
NaH <sub>2</sub> PO <sub>4</sub> .2H <sub>2</sub> O	3,0-4,0 gr/Lt.
Iron(Fe)	<= 1,0ppm
Lead(Pb)	<= 0,5ppm
pH [20 C]	6,9-7,1
Colour (Pt-Co)	<=10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H350 - H301+H311+H331 - H314 - H317 - H335- H341 - H370-  
P201 - P280 - P301+P330+P331- P302+P352 - P304+P340-  
P305+P351+P338-P308+P310



Product Code	Package Type	Quantity in Box
TK.060162.01001	1 lt PLS (HDPE)	12
TK.060162.02501	2,5 lt PLS bottle	6
TK.060162.05001	5 lt PLS (HDPE)	4
TK.060162.20005	20 lt TAP bidon (HDPE)	1
TK.060162.25005	25 lt TAP bidon (HDPE)	1

### Formamide for Synthesis

- CH<sub>3</sub>NO
- M = 45.04 g/mol
  - CAS [75-12-7]
  - EC 200-842-0
  - Store at 15C° .... +25C°
  - Density 1.13 g/cm<sup>3</sup> [20 °C]
  - Flash point 175 °C

Assay (GC):	min. 98.50%
Wt. per ml,20°C:	1.131 - 1.134 g
Residue on evaporation:	0.05% max
Formic acid(HCOOH):	0.1% max
Water:	0.1% max
pH value	8 - 10 (200 g/l, H <sub>2</sub> O, 20 °C)

#### CLASSIFICATION: DANGER

H360FD - H351 - H373 P201 - P314



Product Code	Package Type	Quantity in Box
TK.930134.01001	1 lt PLS (HDPE)	12
TK.930134.02500	2,5 lt GLS bottle	4
TK.930134.02501	2,5 lt PLS bottle	6
TK.930134.05001	5 lt PLS (HDPE)	2
TK.930134.25001	25 lt PLS (HDPE)	1

### Formic Acid %65, Extra Pure

- CH<sub>2</sub>O<sub>2</sub>(aq)
- M = 46,03 g/mol
  - Melting: ~ -9 C
  - Boiling: ~ 107 C
  - CAS [64-18-6]
  - UN 1779
  - EC 200-579-1
  - Store at 15C° .... +25C°
  - ADR:8, II

Assay	64,0-66,0%
Density (20 C)	1,15-1,16 g/cm <sup>3</sup>
Iron(Fe)	<= 0,0005%
Lead(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0005%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H302 - H314 - H331 - EUH071 P280 - P301+P330+P331 - P304+P340 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.201788.01001	1 lt PLS (HDPE)	12
TK.201788.02501	2,5 lt PLS bottle	6
TK.201788.05001	5 lt PLS (HDPE)	4
TK.201788.25001	25 lt PLS (HDPE)	1

### Formic Acid %85, Extra Pure

- CH<sub>2</sub>O<sub>2</sub>(aq)
- M = 46,03 g/mol
  - Melting: -9 C
  - Boiling: 107 C
  - CAS [64-18-6]
  - UN 1779
  - EC 200-579-1
  - ADR:8(3), II
  - Store at 15C° .... +25C°

Assay	~ 85,0%
Density(20 C)	1,19-1,21 gr/cm <sup>3</sup>
Iron(Fe)	<= 0,0005%
Lead(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0005%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H302 - H314 - H331 - EUH071 P280 - P301+P330+P331 - P304+P340 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.060170.01001	1 lt PLS (HDPE)	12
TK.060170.02501	2,5 lt PLS bottle	6
TK.060170.05001	5 lt PLS (HDPE)	4
TK.060170.25001	25 lt PLS (HDPE)	1

### Formic Acid % 98, Analytic Grade

- CH<sub>2</sub>O<sub>2</sub>(aq)
- M = 46,03 g/mol
  - Melting: ~ -9 C
  - Boiling: ~ 107 C
  - CAS [64-18-6]
  - UN 1779
  - ADR: 8 (3), II
  - Store at 15C° .... +25C°

Assay (alkalimetric)	> 98.0 %
Density (d 20/20)	1.217 - 1.223
Chromatographic purity (Acetic acid)	≤ 0.5 %
Chromatographic purity (other impurity)	≤ 0.1 %
Chromatographic purity (Sum of all other impurities)	≤ 0.3 %
Chloride (Cl)	≤ 0.001 %
Sulfate (SO <sub>4</sub> )	≤ 0.004 %
Sulfite (SO <sub>3</sub> )	≤ 0.002 %
Heavy metals (as Pb)	≤ 0.0005 %
As (Arsenic)	≤ 0.0003 %
Cu (Copper)	≤ 0.002 %
Pb (Lead)	≤ 0.001 %
Zn (Zinc)	≤ 0.002 %
Aldehydes	passes test
Formaldehyde (HCHO)	≤ 0.1 %
Oxalic acid (C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> )	≤ 0.01 %
Residual solvents (ICHQ3C) of class 2 (Methanol)	≤ 0.3 %
Evaporation residue	≤ 0.005 %

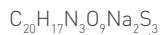
#### CLASSIFICATION: HAZARDOUS

H226 - H302 - H314 - H331 - P210 - P280 - P301 + P330 + P331 - P304 + P340 - P305 + P351 + P338 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930264.01001	1 lt PLS (HDPE)	12
TK.930264.02501	2,5 lt PLS bottle	6
TK.930264.05001	5 lt PLS (HDPE)	4
TK.930264.25001	25 lt PLS (HDPE)	1

## Fuchsin Acid (C.I. 42685)



- M = 585.55 g/mol
- CAS [3244-88-0]
- EC 221-816-5
- Store at 5C° .... +30C°
- Melting: ~ 130 C

Solubility: 10% solution in water should be clear and colourless.

Dye content (Titanometry: on dried sub:	min.60.0%
Absorption, L max:	540-549nm
Absorption ratio:	1.1-1.26
Absorptivity(A1%,1cm,L max.):	780-1310
Suitability for microscopy:	Passes test
TLC test:	Passes test
Loss on drying,110°C:	10%max

### Product Code

TK.930098.00102  
TK.930098.00502  
TK.930098.01002

### Package Type

100 Gr SQR (HDPE)  
500 Gr SQR (HDPE)  
1 Kg SQR (HDPE)

### Quantity in Box

1-36  
18  
18

## Fuchsin Basic



- M = 291,80 g/mol
- CAS [51811-82-6]
- Store at +5C° .... +30C°

Apsorptivity(630-650 nm)	1000-1250
Apsorptivity(520-550 nm)	600-800
Loss ond Drying (110 C)	<= 10,0%
pH(0,01% in 50%Methanol)	5,5-6,5
Suitability for microscopy	Passes Test



### Product Code

TK.930099.00102  
TK.930099.00502  
TK.930099.01002

### Package Type

100 Gr SQR (HDPE)  
500 Gr SQR (HDPE)  
1 kg SQR (HDPE)

### Quantity in Box

1-36  
18  
18

## D(+)- Glucose Monohydrate (Pharma Grade), Extra Pure



- M = 198,17 g/mol
- Melting: ~ 83 C
- CAS [14431-43-7]
- EC 200-075-1
- Store at 15C° .... +25C°

Specific Optic Rotation	(+52,0.....+53,5)
Chloride(Cl)	<= 0,02%
Sulfate(SO4)	<= 0,02%
Water	<= 9,5%
Ignition Residue	<= 0,1%
Iron(Fe)	<= 0,002%
Heavy Metals(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0002%
pH(10%,H2O,20 C)	4,0-7,0

### Product Code

TK.090271.00502  
TK.090271.05004  
TK.090271.25006

### Package Type

500 Gr SQR (HDPE)  
5 kg BCT Plastic  
25 kg Nylon in box

### Quantity in Box

18  
2  
1

## Giemsa Stain for Microscopy



- M = 291,80 g/mol
- CAS [51811-82-6]
- Store at +5C° .... +30C°

Apsorptivity(630-650 nm)	1000-1250
Apsorptivity(520-550 nm)	600-800
Loss ond Drying (110 C)	<= 10,0%
pH(0,01% in 50%Methanol)	5,5-6,5
Suitability for microscopy	Passes Test



### Product Code

TK.930089.00102  
TK.930089.00502  
TK.930089.01002

### Package Type

100 Gr SQR (HDPE)  
500 Gr SQR (HDPE)  
1 kg SQR (HDPE)

### Quantity in Box

1-36  
18  
18

## Glycerol %99,5 (Pharma Grade), Extra Pure



- M = 92,10 g/mol
- Melting: 20 C
- CAS [56-81-5]
- EC 200-289-5
- Store at 5C° .... +30C°

Purity	>= 99,5%
Density (20 C)	1,25-1,27 gr/cm <sup>3</sup>
Chloride(Cl)	<= 0,001%
Sulfate(SO4)	<= 0,002%
Arsenic(As)	<= 0,0001%
Heavy Metals(Pb)	<= 0,0005%
Sulfated Ash	<= 0,01%
Water	<= 0,1%
Colour(Pt-Co)	<= 10

### Product Code

TK.070190.01001  
TK.070190.02500  
TK.070190.02501  
TK.070190.05001  
TK.070190.25001

### Package Type

1 lt PLS (HDPE)  
2,5 lt GLS bottle  
2,5 lt PLS bottle  
5 lt PLS (HDPE)  
25 lt PLS (HDPE)

### Quantity in Box

12  
4  
6  
4  
1

### Glycine, Extra Pure

$C_2H_5NO_2$

- M = 75.06 g/mol
- CAS [56-40-6]
- EC 200-272-2
- Store at 15C° .... +25C°

Assay (on dry basis):	min.99.0%
Chloride (Cl):	0.005% max.
Sulphate (SO4):	0.01% max.

Product Code	Package Type	Quantity in Box
TK.930135.01002	1 kg SQR (HDPE)	18

### Hydrogen Peroxide %30 (Perhydrol), Extra Pure

$H_2O_2(aq)$

- Boiling: 107 C
- CAS [77722-84-1]
- UN 2014
- EC 231-765-0
- ADR:5,1(8),II
- Store at +5C° .... +30C°

Assay	29,0-31,0%
Density(20 C)	1,10-1,11 gr/cm <sup>3</sup>
Acidity	<= 0,05%
Active Oxygen	13,0-15,0%
Stability(m/m)	>= 97,0%
Appearance	Clear

CLASSIFICATION: HAZARDOUS

H302 - H318 P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.060171.01001	1 lt PLS (HDPE)	12
TK.060171.02500	2,5 lt GLS bottle	4
TK.060171.05001	5 lt PLS (HDPE)	4
TK.060171.25001	25 lt PLS (HDPE)	1

### Hydrogen Peroxide %35 (Perhydrol), Extra Pure

$H_2O_2(aq)$

- Boiling: 108 C
- CAS [77722-84-1]
- UN 2014
- EC 231-765-0
- ADR:5,1(8),II
- Store at +5C° .... +30C°

Assay	34,0-36,0%
Density (20 C)	1,12-1,13 g/cm <sup>3</sup>
Acidity	<= 0,05 %
Active Oxygen	15,0-17,0%
Stability(m/m)	>=97,0%
Appearance	Clear

CLASSIFICATION: HAZARDOUS

H302 - H318 P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.060408.01001	1 lt PLS (HDPE)	12
TK.060408.02500	2,5 lt GLS bottle	4
TK.060408.05001	5 lt PLS (HDPE)	4
TK.060408.25001	25 lt PLS (HDPE)	1

### Hydrogen Peroxide %50, Extra Pure

$H_2O_2(aq)$

- Boiling: 114 C
- CAS [77722-84-1]
- UN 2014
- EC 231-765-0
- ADR:5,1(8),II
- Store at +5C° .... +30C°

Assay	>= 50%
Density [20 C]	1,19 - 1,20 gr/cm <sup>3</sup>
Acidity (H2SO4)	<= 0,05%
Stability(m/m)	>= 97,0%
Active Oxygen	23,0-24,0%
Appearance	Clear

CLASSIFICATION: HAZARDOUS

H302 - H318 P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.080220.01001	1 lt PLS (HDPE)	12
TK.080220.02500	2,5 lt GLS bottle	4
TK.080220.05001	5 lt PLS (HDPE)	4
TK.080220.25001	25 lt PLS (HDPE)	1

## Laboratory Chemicals

### L-Histidine Monohydrochloride, Extra Pure



- M = 155.16 g/mol
- Melting: 272 - 273 °C
- pH value : 7.7 (10 g/l, H<sub>2</sub>O, 20 °C)
- Bulk density : 430 kg/m<sup>3</sup>
- Solubility : 38.2 g/l
- CAS 71-00-1
- EC 200-745-3
- Store at 15C° .... +25C°

Assay	98.5 - 101.0 %
Appearance	white
Chloride (Cl)	≤ 200 ppm
Sulfate (SO <sub>4</sub> )	≤ 200 ppm
Heavy metals (as Pb)	≤ 10 ppm
Cu (Copper)*	≤ 25 ppm
Fe (Iron)	≤ 10 ppm
Fe (Iron) (ICP)	≤ 10 ppm
Mn (Manganese)	≤ 25 ppm
Zn (Zinc)	≤ 130 ppm
Related Compounds, total (TLC)	≤ 0.5 %

#### CLASSIFICATION: HAZARDOUS

H225 - H304 - H315 - H336 - H410 P240 - P240 - P273 - P301+P330+P331 - P302+P352 - P403+P233

Product Code	Package Type	Quantity in Box
TK.930265.00102	100 Gr SQR (HDPE)	1-36
TK.930265.00252	250 Gr SQR (HDPE)	1-36
TK.930265.00502	500 Gr SQR (HDPE)	1-36
TK.930265.01002	1 kg SQR (HDPE)	18

### N-Heptane, Extra Pure



- M = 100,21 g/mol
- Boiling: 98,4 C
- CAS [142-82-5]
- UN 1206
- EC 205-563-8
- ADR:3,II
- Store at 15C° .... +25C°

Assay(G.C)	>=99,0%
Density (20 C)	0,67-0,69 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water	<= 0,1%
Evaporation Residue	<= 0,002%
Colour (Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H304 - H315 - H336 - H410 P240 - P240 - P273 - P301+P330+P331 - P302+P352 - P403+P233



Product Code	Package Type	Quantity in Box
TK.080211.01000	1 lt GLS bottle	6
TK.080211.02500	2,5 lt GLS bottle	4
TK.080211.05003	5 lt PLS (COEX)	4
TK.080211.25001	25 lt PLS (HDPE)	1
TK.080211.25003	25 lt IRN Iron	1

### Hexane (mix.of isomers), Extra Pure



- M = 86,18 g/mol
- CAS [92112-69-1]
- Boiling Range: 64-71 C
- UN 1208
- EC 295-570-2
- ADR:3,II
- Store at 15C° .... +25C°

Purity G.C (Total isomers)	>= 98,0%
Density (20 C)	0,655-0,685 g/cm <sup>3</sup>
Acidity	<=0,0005 meq/gr
Distillation Range	
5%-95% vol@760 mmHg	64,0-71,0 C
Water	<=0,1%
Evaporation Residue	<=0,001%
Colour (Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H304 - H315 - H319 - H336 - H361f - H373 - H411 P201 - P210 - P273 - P280 - P301+P310 - P331



Product Code	Package Type	Quantity in Box
TK.080210.01000	1 lt GLS bottle	6
TK.080210.02500	2,5 lt GLS bottle	4
TK.080210.05003	5 lt PLS (COEX)	4
TK.080210.25001	25 lt PLS (HDPE)	1
TK.080210.25003	25 lt IRN Iron	1

### Hydrochloric Acid %30-32, Extra Pure



- Boiling: 83-90 C
- CAS [7647-01-0]
- UN 1789
- EC 231-595-7
- ADR:8,II
- Store at +5C° .... +30C°

Assay	30,0-32,0%
Density (20 C)	1,15-1,16 g/cm <sup>3</sup>
Iron(Fe)	<= 0,0005%
Arsenic(As)	<= 0,0001%
Heavy Metals(Pb)	<=0,0001%
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H290 - H314 - H335 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.080230.01001	1 lt PLS (HDPE)	12
TK.080230.02500	2,5 lt GLS bottle	4
TK.080230.02501	2,5 lt PLS bottle	6
TK.080230.05001	5 lt PLS (HDPE)	4
TK.080230.25001	25 lt PLS (HDPE)	1

### Hydrochloric Acid %37, Analytic Grade

HCl(aq)

- Boiling: 45 C
- CAS [7647-01-0]
- UN 1789
- EC 231-595-7
- ADR:8,II
- Store at +2C° .... +25C°

Assay	36,0-38,0%
Density [20 C]	1,19-1,20 gr/cm <sup>3</sup>
Arsenic (As)	<= 0,00005%
Iron (Fe)	<= 0,0001%
Chloride (Cl)	<= 0,0001%
Sulphate (SO <sub>4</sub> )	<= 0,0001%
Heavy metal (as Pb)	<= 0,0001%
Ignition Residue	<= 0,0005%
Non volatile matter	<= 0,005%
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**

H290 - H314 - H335 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.080231.01001	1 lt PLS (HDPE)	12
TK.080231.02500	2,5 lt GLS bottle	4
TK.080231.02501	2,5 lt PLS bottle	6
TK.080231.05001	5 lt PLS (HDPE)	1
TK.080231.25001	25 lt PLS (HDPE)	1

### Hydrochloric Acid %37, ACS Grade

HCl(aq)

- Boiling: 45 C
- CAS [7647-01-0]
- UN 1789
- EC 231-595-7
- ADR:8,II
- Store at +2C° .... +25C°

Assay	36,5-38,0%
Colour (APHA)	<= 10 %
Residue after Ignition	<= 0,0005%
Bromide (Br)	<= 0,005%
Sulfate (SO <sub>4</sub> )	<= 0,0001%
Sulfite (SO <sub>3</sub> )	<= 0,0001%
Extractable substances	Passes test (5 ppm)
Free Chlorine (Cl)	<= 0,0001%
Ammonium (NH <sub>4</sub> )	<= 0,0003%
Arsenic (As)	<= 0,01 ppm
Heavy metals (Pb)	<= 0,0001%
Iron (Fe)	<= 0,2 ppm

**CLASSIFICATION: HAZARDOUS**

H290 - H314 - H335 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.911011.01001	1 lt PLS (HDPE)	12
TK.911011.02500	2,5 lt GLS bottle	4
TK.911011.02501	2,5 lt PLS bottle	6
TK.911011.05001	5 lt PLS (HDPE)	4

### Hydroquinone, Extra Pure

C<sub>6</sub>H<sub>6</sub>O<sub>2</sub>

- M = 110,11 g/mol
- Melting: 172 C
- CAS [123-31-9]
- UN 3077
- EC 204-617-8
- ADR: 9,III
- Store at 15C° .... +25C°

Purity	>= 99,0%
Melting Range	170-174 C

**CLASSIFICATION: HAZARDOUS**

H302 - H317 - H318 - H341 - H351 - H400  
P273 - P280 - P302+P352 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.201800.01002	1 kg SQR (HDPE)	18
TK.201800.05004	5 kg SQR (HDPE)	4
TK.201800.25006	25 kg Nylon in box	1

### Iron (III) Nitrate Nonahydrate, Extra Pure

Fe(NO<sub>3</sub>)<sub>3</sub>·9H<sub>2</sub>O

- M = 403,95 g/mol
- Melting: 47 C
- CAS [7782-61-8]
- UN 1466
- EC 233-899-5
- ADR: 5,1,III
- Store at +5C° .... +30C°

Assay	>= 99,0%
Iron (Fe)	>= 13,5%
pH [%10 H <sub>2</sub> O, 25 C]	1,0-2,0

**CLASSIFICATION: ATTENTION**

H272 - H315 - H319 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.201775.01002	1 kg SQR (HDPE)	18
TK.201775.05004	5 kg SQR (HDPE)	4
TK.201775.25006	25 kg Nylon in box	1

### Iron (II) Sulphate Heptahydrate (Ferrous Sulphate) % 98.5, Analytic Grade

FeSO<sub>4</sub> \* 7H<sub>2</sub>O

- D = 1.89 g/cm<sup>3</sup> (20 °C)
- M : >62 °C
- pH value 3 - 4 (50 g/l, H<sub>2</sub>O, 20 °C)
- Bulk density 600 kg/m<sup>3</sup>
- Solubility 400 g/l
- CAS 7782-63-0
- EC 231-753-5
- Store at 15C° .... +25C°

Assay (manganometric)

Identity

Appearance of solution

Insoluble matter

pH-value (5 %; water)

Chloride (Cl)

Phosphate (PO<sub>4</sub>)

Total nitrogen (N)

Heavy metals as Pb

As (Arsenic)

Ca (Calcium)

Cr (Chromium)

Cu (Copper)

Fe III (Iron III)

K (Potassium)

Mg (Magnesium)

Mn (Manganese)

Na (Sodium)

Ni (Nickel)

Pb (Lead)

Zn (Zinc)

Substance not precipitated by ammonium hydroxide

99.5 - 101.0 %

passes test

passes test

≤ 0.01 %

3.0 - 4.0

≤ 0.0005 %

≤ 0.001 %

≤ 0.001 %

≤ 0.005 %

≤ 0.0002 %

≤ 0.005 %

≤ 0.005 %

≤ 0.002 %

≤ 0.03 %

≤ 0.002 %

≤ 0.003 %

≤ 0.04 %

≤ 0.03 %

≤ 0.007 %

≤ 0.0006 %

≤ 0.005 %

≤ 0.1 %

CLASSIFICATION: HAZARDOUS

H302 - H315 - H319 - P302 + P352 - P305 + P351 + P338



Product Code

Package Type

Quantity in Box

TK.200791.01002

1 kg SQR (HDPE)

18

TK.200791.05004

5 kg SQR (HDPE)

4

TK.200791.25006

25 kg Nylon in box

1

### Indole-3-Butyric acid for Biochemistry

C<sub>12</sub>H<sub>13</sub>NO<sub>2</sub>

- M = 203.24 g/mol
- CAS [133-32-4]
- EC 205-101-5
- UN 2811
- ADR: 6.1 III
- Store at 15C° .... +25C°

Assay:

Min. 99.00%

Melting point:

121° - 124°

Residue on ignition:

0.10% max

CLASSIFICATION: DANGER

H301-H315-H319-H335-P261-P301 + P310- P305 + P351 + P338



Product Code

Package Type

Quantity in Box

TK.930136.00102

100 Gr SQR (HDPE)

1-36

TK.930136.00252

250 Gr SQR (HDPE)

1-36

TK.930136.00502

500 Gr SQR (HDPE)

1-36

TK.930136.01002

1 kg SQR (HDPE)

18

### Immersion Oil for Microscopy

- UN 3082
- ADR: 9,III
- Store at 15C° .... +25C°

Refractive Index

≤ 1,515

Viscosity(20 C)

120-150 mPa.s

Light Transmittance

Passes Test

Suitability for microscopy

Passes Test

CLASSIFICATION: ATTENTION

H410 P273



Product Code

Package Type

Quantity in Box

TK.930090.00501

500 ml PLS bottle

6

TK.930090.01001

1 lt PLS bottle

12

### Iron (II) Sulfate Heptahydrate, Extra Pure

FeSO<sub>4</sub>\*7H<sub>2</sub>O

- M = 278,02 g/mol
- Melting: > 60 C
- CAS [7782-63-0]
- EC 233-336-3
- Store at 15C° .... +25C°

Assay

≥ 96,0%

Iron Sulfate

≥ 53,0%

Iron(Fe)

≥ 19,0%

Free Acid

≤ 2,0%

Moisture

≤ 3,0%

Insoluble in Water

≤ 0,5%

pH(5%,H2O,25 C)

1,0-4,0

CLASSIFICATION: ATTENTION

H302 - H315 - H319 P302+P352 - P305+P351+P338



Product Code

Package Type

Quantity in Box

TK.200790.01002

1 kg SQR (HDPE)

18

TK.200790.05004

5 kg SQR (HDPE)

4

TK.200790.25006

25 kg Nylon in box

1



### Iron (III) Chloride Anhydrous, Extra Pure

- FeCl<sub>3</sub>
- M = 162,20 g/mol
  - Melting: 306 C
  - CAS [7705-08-0]
  - UN 1773
  - EC 231-729-4
  - ADR: 8,III
  - Store at 15C° .... +25C°

Assay	>= 98,0%
Iron(III)Chloride(FeCl <sub>2</sub> )	<= 0,8%
Arsenic(As)	<= 0,2%
Lead(Pb)	<= 0,5%
Insoluble in Water	<= 1,0%

#### CLASSIFICATION: HAZARDOUS

H290 - H302 - H315 - H317 - H318 P280 - P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.200690.01002	1 kg SQR (HDPE)	18
TK.200690.05004	5 kg SQR (HDPE)	4
TK.200690.25006	25 kg Nylon in box	1

### Iron (III) Chloride %40 Solution, Extra Pure

FeCl<sub>3</sub>(aq)

- CAS [7705-08-0]
- UN 2582
- EC 231-729-4
- ADR: 8,III
- Store at 15C° .... +25C°

Assay	40,0-41,0%
Density(20 C)	1,430-1,435 gr/cm <sup>3</sup>
Iron(III) (Fe+2)	<= 2,5%
Manganese(Mn)	<= 0,5%
Arsenic(As)	<= 0,002%
Lead(Pb)	<= 0,004%
Chromium(Cr)	<= 0,005%
Nickel(Ni)	<= 0,006%
Insoluble Materials	<= 0,2%

#### CLASSIFICATION: HAZARDOUS

H290 - H302 - H315 - H317 - H318 P280 - P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.200633.01001	1 lt PLS (HDPE)	12
TK.200633.05001	5 lt PLS (HDPE)	4
TK.200633.25001	25 lt PLS (HDPE)	1

### Isooctane Analytic, ACS Grade

C<sub>8</sub>H<sub>18</sub>

- M = 114.23 g/mol
- CAS [540-84-1]
- EC 208-759-1
- UN 1262
- ADR: 3 II
- Store at 15C° .... +25C°
- Density 0.69 g/cm<sup>3</sup> (20 °C)
- Flash point -12 °C

Assay (GC):	Min. 99.0%
Colour (APHA):	10 Max.
Residue after evaporation:	0.001% Max.
Water soluble titrable acid:	0.0003 meq/g Max
Sulphur compounds (as S):	0.005% Max.

#### CLASSIFICATION: DANGER

H225 - H304 - H315 - H336 - H410 - P403 + P233  
P210 - P240 - P273 - P301 + P330 + P331 - P302 + P352



Product Code	Package Type	Quantity in Box
TK.930137.01001	1 lt PLS (HDPE)	12
TK.930137.02500	2,5 lt GLS bottle	4
TK.930137.02501	2,5 lt PLS bottle	6
TK.930137.05001	5 lt PLS (HDPE)	2
TK.930137.25001	25 lt PLS (HDPE)	1

### Iso Butyl Acetate, Extra Pure

C<sub>6</sub>H<sub>12</sub>O<sub>2</sub>

- M = 116,16 g/mol
- Boiling: 116-118 C
- CAS [110-19-0]
- UN 1213
- EC 203-745-1
- ADR: 3,II
- Store at 15C° .... +25C°

Purity(G.C)	>=99,0%
Density(20 C)	0,87-0,88 gr/cm <sup>3</sup>
Acidity(CH <sub>3</sub> COOH)	<= 0,01%
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - EUH066 P210 - P260 - P262



Product Code	Package Type	Quantity in Box
TK.311208.01000	1 lt GLS bottle	6
TK.311208.02500	2,5 lt GLS bottle	4
TK.311208.05001	5 lt PLS (HDPE)	4
TK.311208.25001	25 lt PLS (HDPE)	1
TK.311208.25003	25 lt IRN Iron	1

## Laboratory Chemicals

### Iso Propyl Alcohol (2-Propanol), Extra Pure

$C_3H_8O$

- M = 60,10 g/mol
- Boiling: 82,4 C
- CAS [67-63-0]
- UN 1219
- EC 200-661-7
- ADR: 3,II
- Store at 5C° .... +30C°

Purity (G.C)	>=99,5%
Density (20 C)	0,785-0,790 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water (K.F)	<= 0,1%
Colour (Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H225 - H319 - H336 P210 - P241 - P303+P361+P353 - P305+P351+P338 P405 -P501a



Product Code	Package Type	Quantity in Box
TK.090250.01000	1 lt GLS bottle	6
TK.090250.01001	1 lt PLS (HDPE)	12
TK.090250.02500	2,5 lt GLS bottle	4
TK.090250.02501	2,5 lt PLS bottle	6
TK.090250.05001	5 lt PLS (HDPE)	4
TK.090250.25001	25 lt PLS (HDPE)	1
TK.090250.25003	25 lt IRN Iron	1

### Isobutanol, Extra Pure

$C_4H_{10}O$

- M = 74,12 g/mol
- Boiling: 106-108 C
- CAS [78-83-1]
- UN 1212
- EC 201-148-0
- ADR: 3,III
- Store at +15C° .... +25C°

Purity(G.C)	>= 99,0%
Density(20 C)	0,801-0,803 gr/cm <sup>3</sup>
Acidity(CH <sub>3</sub> COOH)	<= 0,003%
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H226 - H315 - H318 - H335 - H336  
P210 - P280 - P302+P352 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.201801.01000	1 lt GLS bottle	6
TK.201801.02500	2,5 lt GLS bottle	4
TK.201801.05001	5 lt PLS (HDPE)	4
TK.201801.25001	25 lt PLS (HDPE)	1
TK.201801.25003	25 lt IRN Iron	1

### Iodine Resublimed, Extra Pure

I<sub>2</sub>

- M = 253,81 g/mol
- Melting: 114 C
- Boiling: 185 C
- CAS [7553-56-2]
- UN 3495
- EC 231-442-4
- ADR: 8 (6.1),III
- Store at +5C° .... +30C°

Assay	>= 99,5%
Bromide and Chloride	<= 0,05%
Iron(Fe)	<= 0,001%
Sulfate(SO <sub>4</sub> )	<= 0,001%
Heavy Metals(Pb)	<= 0,002%
Non-volatile Matter(105 C)	<= 0,005%

**CLASSIFICATION: HAZARDOUS**  
H312+H332 - H315 - H319 - H335 - H372 - H400 P273 - P302+P352 - P305+P351+P338 - P314



Product Code	Package Type	Quantity in Box
TK.200800.00250	250 Gr SQR (HDPE)	1-36
TK.200800.00500	500 Gr SQR (HDPE)	18
TK.200800.01002	1 kg SQR (HDPE)	18

### Isoamyl Alcohol (for synthesis and milk testing), Extra Pure

$C_5H_{12}O$

- M = 88,15 g/mol
- Boiling: 131 C
- CAS [123-51-3]
- UN 1105
- EC 204-633-5
- ADR: 3,III
- Store at +15C° .... +25C°

Assay(G.C)	>= 98,0%
Density(20 C)	0,81-0,82 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Evaporation Residue	<= 0,01%
Boiling Range(95%)	128-132 C
Water	<= 0,5%
Colour(Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: HAZARDOUS**  
H226 - H332 - H335 - EUH066  
P210 - P304+P340



Product Code	Package Type	Quantity in Box
TK.930071.01000	1 lt GLS bottle	6
TK.930071.02500	2,5 lt GLS bottle	4
TK.930071.05001	5 lt PLS (HDPE)	4
TK.930071.25001	25 lt PLS (HDPE)	1

### Isobutyl Methyl Ketone, Extra Pure

- $C_6H_{12}O$
- M = 100,16 g/mol
  - Boiling: 116-118 C
  - CAS [108-10-1]
  - UN 1245
  - EC 203-550-1
  - ADR: 3,II
  - Store at 15C° .... +25C°

Purity(G.C)	>= 99,0%
Density	0,799-0,802 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water	<=0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H319 - H332 - H335 - EUH066 P210 - P240  
P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.060150.01000	1 lt GLS bottle	6
TK.060150.01001	1 lt PLS (HDPE)	12
TK.060150.02500	2,5 lt GLS bottle	4
TK.060150.02501	2,5 lt PLS bottle	6
TK.060150.05001	5 lt PLS (HDPE)	4
TK.060150.25001	25 lt PLS (HDPE)	1
TK.060150.25003	25 lt IRN Iron	1

### Kieselguhr, Extra Pure

- D = 0.3 - 0.5 g/cm<sup>3</sup>
- CAS [108-10-1]
- EC 272-489-0
- Store at 15C° .... +25C°

Ca	2,6
Si	82,04
Al	10,35
Mg	3,8
Grain size	74 micron

Product Code	Package Type	Quantity in Box
TK.930106.01002	1 kg SQR (HDPE)	18
TK.930106.05004	5 kg SQR (HDPE)	4
TK.930106.25006	25 kg Nylon in box	1

### L-(+)- Lactic Acid %80- 85 (Food Grade), Extra Pure

- $C_3H_6O_3$
- M = 90,08 g/mol
  - CAS [79-33-4]
  - UN 3265
  - EC 231-711-2
  - Boiling: [20 hPa] 122 C
  - Store at 15C° .... +25C°

Assay	79-81%
Density [20 C]	1,18-1,21 g/cm <sup>3</sup>
Calcium(Ca)	<= 0,002%
Chloride(Cl)	<= 0,001%
Sulfate(SO <sub>4</sub> )	<= 0,002%
Arsenic(As)	<= 0,0001%
Heavy Metals(Pb)	<= 0,001%
Iron(Fe)	<= 0,001%
Lead(Pb)	<= 0,0001%
Mercury(Hg)	<= 0,0001%
Ignition Residue	<= 0,1%
Colour(Pt-Co)	<= 50

#### CLASSIFICATION: HAZARDOUS

H314 P280 - P305+P351+P338 - P310



Product Code	Package Type	Quantity in Box
TK.200640.01000	1 lt GLS bottle	6
TK.200640.01001	1 lt PLS (HDPE)	12
TK.200640.02500	2,5 lt GLS bottle	4
TK.200640.02501	2,5 lt PLS bottle	6
TK.200640.05001	5 lt PLS (HDPE)	4
TK.200640.25001	25 lt PLS (HDPE)	1

### Lead (II) Acetate Trihydrate, Extra Pure

- $Pb(CH_3COO)_2 \cdot 3H_2O$
- M = 379,34 g/mol
  - Melting: 75 C
  - CAS [6080-56-4]
  - UN 1616
  - EC 206-104-4
  - ADR: 6.1, III
  - Store at +5C° .... +30C°

Assay	>= 98,0%
Lead(Pb)	>= 54,0%
Moisture	<= 2,0%
Insoluble in Water	<= 0,1%
pH[5%,H <sub>2</sub> O,25 C]	4,0-6,0

#### CLASSIFICATION: HAZARDOUS

H360Df - H373 - H410 P201 - P273 - P314



Product Code	Package Type	Quantity in Box
TK.201040.01002	1 kg SQR (HDPE)	18
TK.201040.05004	5 kg SQR (HDPE)	4
TK.201040.25006	25 kg Nylon in box	1

### Lead (II) Oxide, Extra Pure

PbO  
 • M = 223,19 g/mol  
 • Melting: 888 C  
 • CAS [1317-36-8]  
 • UN 2291  
 • EC 215-267-0  
 • ADR: 6.1, III  
 • Store at 15C° .... +25C°  
 Assay 99,5%  
 Moisture <= 0,1%  
 Particle Size (>45 µm) <=0,5%  
 Oil Absorption (g/100g) <= 7,0%  
 pH(10%,H2O,20 C) 9,0-12,0

**CLASSIFICATION: HAZARDOUS**  
 H360Df - H302+H332 - H373 - H410  
 P201 - P273 - P314



Product Code	Package Type	Quantity in Box
TK.201044.01002	1 kg SQR (HDPE)	18
TK.201044.05004	5 kg SQR (HDPE)	4
TK.201044.25006	25 kg Nylon in box	1

### Lead (II) Nitrate, Extra Pure

Pb(NO3)2  
 • M = 331,2 g/mol  
 • Melting: 458-460 C  
 • CAS [10099-74-8]  
 • UN 1469  
 • EC 233-245-9  
 • ADR: 5.1(6.1),II  
 • Store at +5C° .... +30C°  
 Assay >= 98,0%  
 Moisture <= 2,0%  
 pH(10%,H2O,25 C) 2,0-4,0

**CLASSIFICATION: HAZARDOUS**  
 H360Df - H272 - H302+H332 - H318 - H373 - H410 P201 - P210  
 - P221 - P273 - P280 - P305+P351+P338 - P308+P313



Product Code	Package Type	Quantity in Box
TK.201041.01002	1 kg SQR (HDPE)	18
TK.201041.05004	5 kg SQR (HDPE)	4
TK.201041.25006	25 kg Nylon in box	1

### Light Green, Extra Pure

C<sub>37</sub>H<sub>34</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>7</sub>S<sub>3</sub>  
 • M = 792,86 g/mol  
 • Melting: 888 C  
 • CAS [5141-20-8]  
 • Store at 5C° .... +30C°  
 Dye content: Min.75.0%  
 Absorption, L max: 629-634nm (In water)  
 Absorptivity(A1%,1cm,L max.): 830-1130 (In water)  
 Loss on drying,110°C: 12%max

Product Code	Package Type	Quantity in Box
TK.201043.01002	1 kg SQR (HDPE)	18
TK.201043.05004	5 kg SQR (HDPE)	4
TK.201043.25006	25 kg Nylon in box	1

### Lithium Carbonate, Extra Pure

Li<sub>2</sub>CO<sub>3</sub>  
 • M = 73,89 g/mol  
 • Melting: 720 C  
 • CAS [554-13-2]  
 • EC 209-062-5  
 • Store at +5C° .... +30C°  
 Assay >=99%  
 Chloride (Cl) <=0,02%  
 Sodium (Na) <=0,1%  
 Calcium(Ca) <=0,05%  
 Magnesium(Mg) <=0,01%  
 Sulfate(SO4) <=0,1%  
 Iron(III)Oxide(Fe2O3) <=0,0005%  
 Potassium(K) <=0,0005%  
 Moisture <=0,2%  
 Insoluble Matter <=0,02%

**CLASSIFICATION: ATTENTION**  
 H302 - H319 P262 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.201043.01002	1 kg SQR (HDPE)	18
TK.201043.05004	5 kg SQR (HDPE)	4
TK.201043.25006	25 kg Nylon in box	1

### Lithium Hydroxide Monohydrate, Extra Pure

LiOH.H2O  
 • M = 41,96 g/mol  
 • CAS [1310-66-3]  
 • UN 2680  
 • EC 215-183-4  
 • ADR: 8, II  
 • Store at 15C° .... +25C°  
 Assay(LiOH) >= 56,0%  
 Chloride (Cl) <= 0,005%  
 Sulphate (SO4) <= 0,03%  
 Calcium Oxide(CaO) <= 0,03%  
 Potassium (K) <= 0,01%  
 Sodium (Na) <= 0,03%  
 Iron Oxide(Fe2O3) <= 0,002%  
 Insoluble in Acid <= 0,01%

**CLASSIFICATION: HAZARDOUS**  
 H302 - H314 P280 - P305+P351+P338 - P310



Product Code	Package Type	Quantity in Box
TK.201042.01002	1 kg SQR (HDPE)	18
TK.201042.05004	5 kg SQR (HDPE)	4
TK.201042.25006	25 kg Nylon in box	1

### Magnesium Carbonate, Extra Pure

MgCO<sub>3</sub>

- M = 84,31 g/mol
- CAS [39409-82-0]
- EC 235-192-7
- Store at 15C° .... +25C°

Assay(MgO)	>= 40 %
Calcium Oxide(CaO)	<= 0,5%
Chloride (Cl)	<= 0,1%
Iron (Fe)	<= 0,02 %
Manganese(Mn)	<= 0,005%
Sulfate(SO4)	<= 0,1%
Moisture	<= 2,0%
Insoluble in Acid	<= 0,1%
Particle Size (>150 µm)	<= 0,03%

Product Code	Package Type	Quantity in Box
TK.201776.01002	1 kg SQR (HDPE)	4

### Magnesium Chloride Hexahydrate, Extra Pure

MgCl<sub>2</sub>\*6H<sub>2</sub>O

- M = 203,30 g/mol
- Melting: 117 C
- CAS [7791-18-6]
- EC 232-094-6
- Store at +2C° .... +25C°

Assay	>= 98,0 %
Magnesium Chloride	>= 46,0%
Magnesium Sulfate	<= 0,5%
Iron(Fe)	<= 0,001%
pH(5%,H2O,20 C)	4,0-7,0

Product Code	Package Type	Quantity in Box
TK.120290.01002	1 kg SQR (HDPE)	18
TK.120290.05004	5 kg SQR (HDPE)	4
TK.120290.25006	25 kg Nylon in box	1

### Magnesium Foil

Mg

- M = 24,31 g/mol
- CAS [7439-95-4]
- UN 1869
- EC 231-104-6
- ADR: 4.1,III
- Store at 15C° .... +25C°

Assay	>= 99,5%
Iron(Fe)	<= 0,05%
Manganese(Mn)	<= 0,005%
Nickel(Ni)	<= 0,006%
Aluminium(Al)	<= 0,006%
Copper(Cu)	<= 0,008%
Sodium(Na)	<= 0,005%
Silicium(Si)	<= 0,005%

**CLASSIFICATION: ATTENTION**  
H228 - H252 - H261 P210 - P370+P378 - P402+P404



Product Code	Package Type	Quantity in Box
TK.120291.70025	25 Gr SQR (HDPE)	1

### Magnesium Nitrate Hexahydrate, Extra Pure

Mg(NO<sub>3</sub>)\*6H<sub>2</sub>O

- M = 256,41 g/mol
- CAS [13446-18-9]
- EC 232-826-7
- Store at +15C° .... +25C°

Assay	>= 98,0%
Magnesium Oxide	<= 16,5%
Nitrate(NO3)	~ 10,0-11,0%
Magnesium(Mg)	~ 9,0-10,0%
Chloride(Cl)	<= 0,5%

Product Code	Package Type	Quantity in Box
TK.120300.01002	1 kg SQR (HDPE)	18
TK.120300.05004	5 kg SQR (HDPE)	4
TK.120300.25006	25 kg Nylon in box	1

### Magnesium Oxide, Extra Pure

MgO

- M = 40,30 g/mol
- CAS [1309-48-4]
- EC 215-171-9
- Store at +5C° .... +30C°

Assay(MgO)	>= 88,0%
Silicium Oxide(SiO2)	<= 5,0%
Calcium Oxide(CaO)	<= 2,0%
Iron Oxide(Fe2O3)	<= 0,6%
Solubility in water	Insoluble

Product Code	Package Type	Quantity in Box
TK.200920.01002	1 kg SQR (HDPE)	18
TK.200920.05004	5 kg SQR (HDPE)	4
TK.200920.25006	25 kg Nylon in box	1

## Magnesium Sulfate Heptahydrate, Extra Pure

MgSO<sub>4</sub>\*7H<sub>2</sub>O

- M = 246,48 g/mol
- CAS [10034-99-8]
- EC 231-298-2
- Store at +5C° .... +30C°

Assay	>= 99,0%
Magnesium Sulfate Anhydrous	>= 49,0%
Calcium(Ca)	<= 0,3%
Chloride(Cl)	<= 0,01%
Iron(Fe)	<= 0,0005%
Lead(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0005%
pH(5%,H <sub>2</sub> O,25 C)	5,0-8,0

Product Code	Package Type	Quantity in Box
TK.120310.01002	1 kg SQR (HDPE)	18
TK.120310.05004	5 kg SQR (HDPE)	4
TK.120310.25006	25 kg Nylon in box	1

## Malachite Green for microscopy, Extra Pure

C<sub>21</sub>H<sub>24</sub>N<sub>4</sub>O<sub>12</sub>

- M = 927.01 g/mol
- CAS [2437-29-8]
- EC 219-441-7
- UN 2811
- ADR: 6.1 II
- Store at 15C° .... +25C°

Dye content:	
Absorbance(max.):	Min. 90.00%
TLC test:	616 - 620 nm
Solubility:	Passes Very soluble in water

CLASSIFICATION: DANGER

H301 - H318 - H316d - H410 - P273 - P280 P305 + P351 + P338 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930138.00102	100 Gr SQR (HDPE)	1-36
TK.930138.00252	250 Gr SQR (HDPE)	1-36
TK.930138.00502	500 Gr SQR (HDPE)	1-36
TK.930138.01002	1 kg SQR (HDPE)	18

## Manganese (II) Sulfate Monohydrate, Extra Pure

MnSO<sub>4</sub>.H<sub>2</sub>O

- M = 169,02 g/mol
- Melting: 700 C (Anhydrous)
- CAS [10034-96-5]
- EC 232-089-9
- UN 3077
- ADR: 9,III
- Store at 15C° .... +25C°

Assay	>= 97,0%
Manganese (Mn)	>= 31,80%
Iron(Fe)	<= 0,005%
Heavy metals (as Pb)	<= 0,002%
Arsenic(As)	<= 0,001%
Insoluble in Water	<= 0,05%
pH(5%,H <sub>2</sub> O,20 C)	3,0-4,0

CLASSIFICATION: HAZARDOUS

H373-H411-P273



Product Code	Package Type	Quantity in Box
TK.920090.01002	1 kg SQR (HDPE)	18
TK.920090.05004	5 kg SQR (HDPE)	4
TK.920090.25006	25 kg Nylon in box	1

## Manganese (IV) Oxide, Extra Pure

MnO<sub>2</sub>

- M = 86,94 g/mol
- CAS [1313-13-9]
- UN 1479
- EC 215-202-6
- ADR: 5.1, II
- Store at +5C° .... +30C°

Assay	>= 60%
Aluminium Oxide(Al <sub>2</sub> O <sub>3</sub> )	<= 2,0%
Silicium Oxide(SiO <sub>2</sub> )	<= 15,0%
Mesh Analysis	44-75 micron

CLASSIFICATION: HAZARDOUS

H272 - H302+H332 P221



Product Code	Package Type	Quantity in Box
TK.200950.01002	1 kg SQR (HDPE)	18
TK.200950.05004	5 kg SQR (HDPE)	4
TK.200950.25006	25 kg Nylon in box	1

### Mercury (II) Chloride, Extra Pure

- HgCl<sub>2</sub>
- M = 272.01 g/mol
  - CAS [7487-94-7]
  - EC 231-299-8
  - UN 1624
  - ADR: 6.1 II
  - Store at 15C° .... +25C°

Assay(complexometric): min. 98.00%  
 Residue after reduction with formic acid: 0.05% max.  
 Solubility: Soluble in water.

#### CLASSIFICATION: DANGER

H301 - H318 - H316d - H410 - P273 - P280 P305 + P351 + P338 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930139.00102	100 Gr SQR (HDPE)	1-36
TK.930139.00252	250 Gr SQR (HDPE)	1-36
TK.930139.00502	500 Gr SQR (HDPE)	1-36
TK.930139.01002	1 kg SQR (HDPE)	18

### Mercury (II) Nitrate Monohydrate, Extra Pure

- HgN<sub>2</sub>O<sub>6</sub> \* H<sub>2</sub>O
- M = 342.62 g/mol
  - CAS [7783-34-8]
  - EC 233-152-3
  - UN 1625
  - ADR: 6.1 II
  - Store at 15C° .... +25C°

Assay(complexometric): min. 98%  
 Chloride(Cl): 0.005% max  
 Sulphate(SO<sub>4</sub>): 0.01% max  
 Iron(Fe): 0.005% max

#### CLASSIFICATION: DANGER

H300 + H310 + H330 - H373 - H410 - P273 - P280 P302 + P352 - P304 + P340 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930140.00102	100 Gr SQR (HDPE)	1-36
TK.930140.00252	250 Gr SQR (HDPE)	1-36
TK.930140.00502	500 Gr SQR (HDPE)	1-36
TK.930140.01002	1 kg SQR (HDPE)	18

### Mercury (II) Sulfate, Extra Pure

- HgSO<sub>4</sub>
- M = 296.65 g/mol
  - CAS [7783-35-9]
  - EC 231-992-5
  - UN 1645
  - ADR: 6.1 II
  - Store at 15C° .... +25C°

Assay: min. 99.00%  
 Chloride(Cl): 0.005% max.  
 Iron(Fe): 0.01% max.  
 Mercurous compounds: 0.5% max.

#### CLASSIFICATION: DANGER

H300 + H310 + H330 - H373 - H410 - P273 - P280 P302 + P352 - P304 + P340 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.930141.00102	100 Gr SQR (HDPE)	1-36
TK.930141.00252	250 Gr SQR (HDPE)	1-36
TK.930141.00502	500 Gr SQR (HDPE)	1-36
TK.930141.01002	1 kg SQR (HDPE)	18

### Methanol, ACS Grade

- CH<sub>3</sub>OH
- M = 32,04 g/mol
  - Melting: -98,0 C
  - Boiling: 64,5 C
  - CAS [67-56-1]
  - UN 1230
  - EC 200-659-6
  - ADR: 3, (6.1), II
  - Store at 15C° .... +25C°

Assay: >= 99,8%  
 Substances darkened by Sulfuric acid: Passes test  
 Substances reducing permanganate: Passes test  
 Solubility in water: Passes test  
 Colour(APHA): <=10  
 Water: <=0,1 %  
 Residue after evaporation: <=0,001 %  
 Carbonyl compounds: <=0,001 % (each of Acetone Formaldehyde,acetaldehyde)  
 Titrable acid: <=0,0003 meq/gr  
 Titrable base: <=0,0002 meq/gr

#### CLASSIFICATION: HAZARDOUS

H225 - H301+H311+H331 P210 - P240 - P280 - P302+P352 - P304+P340 - P308+P310 - P403+P233



Product Code	Package Type	Quantity in Box
TK.911022.01000	1 lt GLS bottle	6
TK.911022.02500	2,5 lt GLS bottle	4
TK.911022.02501	2,5 lt PLS bottle	6
TK.911022.05001	5 lt PLS (HDPE)	4

#### Ultraviolet Spectrophotometry

Wavelength (nm)

280-400	Max 0.01 Au
260	Max 0.04 Au
240	Max 0.10 Au
230	Max 0.20 Au
220	Max 0.40 Au
210	Max 0.80 Au
205	Max 1,00 Au



## Laboratory Chemicals

### Methanol, Extra Pure

CH<sub>3</sub>OH

- M = 32,04 g/mol
- Melting: -98,0 C
- Boiling: 64,5 C
- CAS [67-56-1]
- UN 1230
- EC 200-659-6
- ADR: 3, (6.1), II
- Store at 15C° .... +25C°

Purity (G.C)	>= 99,8%
Density [20 C]	0,790-0,793 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0002 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<=10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H301+H311+H331 P210 - P240 - P280 - P302+P352 - P304+P340 - P308+P310 - P403+P233



Product Code	Package Type	Quantity in Box
TK.120320.01000	1 lt GLS bottle	6
TK.120320.01001	1 lt PLS (HDPE)	12
TK.120320.02500	2,5 lt GLS bottle	4
TK.120320.02501	2,5 lt PLS bottle	6
TK.120320.05001	5 lt PLS (HDPE)	4
TK.120320.25001	25 lt PLS (HDPE)	1
TK.120320.25003	25 lt IRN Iron	1

### Methanol, HPLC Grade

CH<sub>3</sub>OH

- M = 32,04 g/mol
- Melting: -98,0 C
- Boiling: 64,5 C
- CAS [67-56-1]
- UN 1230
- EC 200-659-6
- ADR: 3, (6.1), II
- Store at 15C° .... +25C°

Purity (G.C)	>= 99,8%
Density [20 C]	0,790-0,793 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0002 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<=10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H301+H311+H331 P210 - P240 - P280 - P302+P352 - P304+P340 - P308+P310 - P403+P233



Product Code	Package Type	Quantity in Box
TK.930091.02500	2,5 lt GLS bottle	4

### Methyl Acetate, Extra Pure

C<sub>3</sub>H<sub>6</sub>O<sub>2</sub>

- M = 74,08 g/mol
- Melting: -98,0 C
- Boiling: 56-58 C
- CAS [79-20-9]
- UN 1231
- EC 201-185-2
- ADR: 3,II
- Store at 15C° .... +25C°

Purity(G.C)	>= 99,5%
Density[20 C]	0,93-0,94 gr/cm <sup>3</sup>
Acidity(as CH <sub>3</sub> COOH)	<= 0,03%
Methanol(G.C)	<= 0,3%
Water(K.F)	<= 0,5%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H319 - H336 - EUH066  
P210 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.201804.01000	1 lt GLS bottle	6
TK.201804.02500	2,5 lt GLS bottle	4
TK.201804.05001	5 lt PLS (HDPE)	4
TK.201804.25001	25 lt PLS (HDPE)	1
TK.201804.25003	25 lt IRN Iron	1

### Methyl Ethyl Ketone (MEK), ACS Grade

C<sub>6</sub>H<sub>8</sub>O

- M = 72,11 g/mol
- Melting: -86 C
- Boiling: 79,6 C
- CAS [78-93-3]
- UN 1193
- EC 201-159-0
- ADR: 3, II
- Store at 15C° .... +25C°

Assay	>= 99,5%
Colour(APHA)	<= 10
Residue after evaporation	<= 0,0025 %
Titration acid	<= 0,0005 meq/gr
Water (K.F.)	<= 0,2 %

#### CLASSIFICATION: HAZARDOUS

H225 - H319 - H336 - EUH066 P210 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.911016.01000	1 lt GLS bottle	6
TK.911016.02500	2,5 lt GLS bottle	4
TK.911016.02501	2,5 lt PLS bottle	6
TK.911016.05001	5 lt PLS (HDPE)	4

### Methyl Ethyl Ketone (MEK), Extra Pure

$C_6H_{10}O$

- M = 72,11 g/mol
- Melting: -86 C
- Boiling: 79,6 C
- CAS [78-93-3]
- UN 1193
- EC 201-159-0
- ADR: 3, II
- Store at 15C° .... +25C°

Purity (G.C)	>= 99,0%
Density (20 C)	0,804-0,81 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water(K.F)	<=0,2%
Colour(Pt-Co)	<= 10
Appearance	Clear

CLASSIFICATION: HAZARDOUS

H225 - H319 - H336 - EUH066 P210 - P305+P351+P338 - P403+P233



Product Code	Package Type	Quantity in Box
TK.050150.01000	1 lt GLS bottle	6
TK.050150.01001	1 lt PLS (HDPE)	12
TK.050150.02500	2,5 lt GLS bottle	4
TK.050150.02501	2,5 lt PLS bottle	6
TK.050150.05001	5 lt PLS (HDPE)	4
TK.050150.25001	25 lt PLS (HDPE)	1
TK.050150.25003	25 lt IRN Iron	1

### Methyl Orange (C.I.13025)

$C_{14}H_{14}N_3NaO_3S$

- M = 327,34 g/mol
- CAS [547-58-0]
- UN 2811
- EC 208-925-3
- ADR: 6.1,I
- Store at +5C° .... +30C°

Dye Content	>= 85%
Absorption,L max pH:3,1	501-504 nm
Absorption,L max pH:4,4	467-471 nm
Transition Range(pH:3,1-4,4)	Pink to Orange Yellow
Loss ond Drying (110 C)	<= 5,0%

CLASSIFICATION: DANGER

H301 P308+P310



Product Code	Package Type	Quantity in Box
TK.930073.00102	100 Gr SQR (HDPE)	1-36
TK.930073.00502	500 Gr SQR (HDPE)	18
TK.930073.01002	1 kg SQR (HDPE)	18

### Methyl Red pH indicator (C.I.13020)

$C_{15}H_{15}N_3O_2$

- M = 269,31 g/mol
- Melting: 178 - 182 C
- CAS [493-52-7]
- EC 207-776-1
- Store at +5C° .... +30C°

Dye Content	>= 85%
Absorption,L max pH:4,5	523-526 nm
Absorption,L max pH:6,2	430-434 nm
Transition Range(pH:4,5-6,2)	Red violet to brownish yellow
Loss ond Drying (110 C)	<= 5,0%

Product Code	Package Type	Quantity in Box
TK.930075.00102	100 Gr SQR (HDPE)	1
TK.930075.00502	500 Gr SQR (HDPE)	1
TK.930075.01002	1 kg SQR (HDPE)	18

### Methylene Blue (C.I.52015)

- M = 319,86 g/mol
- EC 200-515-2
- Store at 5C° .... +30C°

Max. dye content	>= 82 %
Max.absorbtion (%50 ethanol)	660-665 nm
Loss on drying 110 C	10-15%

CLASSIFICATION: ATTENTION

H302



Product Code	Package Type	Quantity in Box
TK.930074.00102	100 Gr SQR (HDPE)	1
TK.930074.00502	500 Gr SQR (HDPE)	1
TK.930074.01002	1 kg SQR (HDPE)	18

### Methylene Chloride, Extra Pure

$CH_2Cl_2$

- M = 84,93 g/mol
- Melting: ~ -95 C
- Boiling: 40 C
- CAS [75-09-2]
- UN 1593
- EC 200-838-9
- ADR: 6.1, III
- Store at 15C° .... +25C°

Purity(G.C)	>= 99,5%
Density	1,31-1,33 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

CLASSIFICATION: HAZARDOUS

H315 - H319 - H335 - H336 - H351 - H373 P281 - P302+P352 -P305+P351+P338 - P314



Product Code	Package Type	Quantity in Box
TK.120330.01000	1 lt GLS bottle	6
TK.120330.02500	2,5 lt GLS bottle	4
TK.120330.05003	5 lt PLS (COEX)	4
TK.120330.25001	25 lt PLS (HDPE)	1
TK.120330.25003	25 lt IRN Iron	1

## Laboratory Chemicals

### Methylene Chloride, ACS Grade

- CH<sub>2</sub>Cl<sub>2</sub>
- M = 84,93 g/mol
  - Melting: ~ -95 C
  - Boiling: 40 C
  - CAS [75-09-2]
  - UN 1593
  - EC 200-838-9
  - ADR: 6.1, III
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Colour(APHA)	<= 10
Residue after evaporation	<= 0,002 %
Titration acid	<= 0,0003 meq/gr
Free Halogens	Passes test
Water	<= 0,02 %

#### Ultraviolet Spectrophotometry

Wavelength (nm)	
340-400	Max 0.01 AU
260	Max 0.04 AU
250	Max 0.10 AU
240	Max 0.35 AU
235	Max 1,00 AU

#### CLASSIFICATION: HAZARDOUS

H315 - H319 - H335 - H336 - H351 - H373 P281  
- P302+P352 - P305+P351+P338 - P314



Product Code	Package Type	Quantity in Box
TK.911017.01000	1 lt GLS bottle	6
TK.911017.02500	2,5 lt GLS bottle	4
TK.911017.05003	5 lt PLS (COEX)	4

### Methylene Chloride for HPLC & Spectroscopy

- CH<sub>2</sub>Cl<sub>2</sub>
- M = 84,93 g/mol
  - Melting: ~ -95 C
  - Boiling: 40 C
  - CAS [75-09-2]
  - UN 1593
  - EC 200-838-9
  - ADR: 6.1, III
  - Store at 15C° .... +25C°

Assay(G.C)	>= 99,7%
Density	1,323-1,325 g/cm <sup>3</sup>
Acidity(as HCl)	<= 0,0005%
Free Chlorine(Cl)	<= 0,0001%
Refractive Index	1,424-1,425
Evaporation Residue	<= 0,0005%
Transmission(10mm cell)@235nm	>= 10%
Transmission(10mm cell)@240nm	>= 50%
Transmission(10mm cell)@245nm	>= 80%
Transmission(10mm cell)@248nm	>= 90%
Transmission(10mm cell)@255nm	>= 98%
Water	<= 0,01%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H315 - H319 - H335 - H336 - H351 - H373 P281 - P302+P352 -  
P305+P351+P338 - P314



Product Code	Package Type	Quantity in Box
TK.930087.02500	2,5 lt GLS bottle	4

### Monoethanolamine, Extra Pure

- CH<sub>2</sub>OHCH<sub>2</sub>NH<sub>2</sub>
- M = 61.08 g/mol
  - Melting: ~ -10.5 C
  - Boiling: 171 C (1013 hPA)
  - CAS [141-43-5]
  - EC 205-483-3
  - Store at 15C° .... +25C°

Solubility:	Miscible with water and methanol.
Assay:	>= 99.00 %
Sulphated ash:	0.1% max
Diethanolamine:	0.5% max.
Triethanolamine:	0.5% max.
Heavy metal(as Pb):	0.001% max
Water:	0.3% max



Product Code	Package Type	Quantity in Box
TK.930103.01000	1 lt GLS bottle	6
TK.930103.01001	1 lt PLS bottle	12
TK.930103.02500	2,5 lt GLS bottle	4
TK.930103.02501	2,5 lt PLS bottle	6
TK.930103.05001	5 lt PLS (HDPE)	4
TK.930103.25001	25 lt PLS (HDPE)	1

### Murexide (Ammonium Purpurate), Analytic, ACS Grade

- C<sub>8</sub>H<sub>8</sub>N<sub>6</sub>O<sub>6</sub>
- M = 284.19 g/mol
  - CAS [3051-09-0]
  - EC 221-266-6
  - Store at 15C° .... +25C°

pH value	5 (1 g/l, H <sub>2</sub> O, 20 °C)
Bulk density	330 kg/m <sup>3</sup>
Solubility	1 g/l

Product Code	Package Type	Quantity in Box
TK.930142.00102	100 Gr SQR (HDPE)	1-36
TK.930142.00252	250 Gr SQR (HDPE)	1-36
TK.930142.00502	500 Gr SQR (HDPE)	1-36

### Nickel (II) Chloride Hexahydrate, Extra Pure

NiCl<sub>2</sub>·6H<sub>2</sub>O

- M = 237,66 g/mol
- CAS [7791-20-0]
- UN 3288
- EC 231-743-0
- ADR: 6.1, III
- Store at 15C° .... +25C°

Assay	>= 97,0%
Nickel(Ni)	>= 24,0%
Copper(Cu)	<= 0,001%
Zinc(Zn)	<= 0,0005%
Iron(Fe)	<= 0,001%
Lead(Pb)	<= 0,0005%
Arsenic(As)	<= 0,001%
Cadmium(Cd)	<= 0,001%
Insoluble Matter	<= 0,01%

CLASSIFICATION: HAZARDOUS

H350i - H360D - H301+331 - H315 - H317 - H334 - H341 - H371 - H410 P201 - P273 - P280 - P302+P352 - P304+P340 - P308+P310



Product Code	Package Type	Quantity in Box
TK.200220.01002	1 kg SQR (HDPE)	18
TK.200220.05004	5 kg SQR (HDPE)	4
TK.200220.25006	25 kg Nylon in box	1

### Nickel (II) Sulfate Hexahydrate, Extra Pure

NiSO<sub>4</sub>·6H<sub>2</sub>O

- M = 262,86 g/mol
- Melting: 53 C
- CAS [10101-97-0]
- UN 3077
- EC 232-104-9
- ADR: 9, III
- Store at +5C° .... +30C°

Assay	>= 99%
Nickel(Ni)	>= 22,3%
Cobalt(Co)	<= 0,001%
Copper(Cu)	<= 0,0002%
Iron(Fe)	<= 0,0002%
Cadmium(Cd)	<= 0,0002%
Zinc(Zn)	<= 0,0002%
Lead(Pb)	<= 0,0002%
Insoluble Matter	<= 0,01%

CLASSIFICATION: HAZARDOUS

H350i - H360D - H302+H332 - H315 - H317 - H334 - H341 - H372 H410 P201 - P273 - P280 - P302+P352 - P304+P340 - P314 P342+P311



Product Code	Package Type	Quantity in Box
TK.200221.01002	1 kg SQR (HDPE)	18
TK.200221.05004	5 kg SQR (HDPE)	4
TK.200221.25006	25 kg Nylon in box	1

### Ninhydrin Analytic, ACS Grade

C<sub>9</sub>H<sub>6</sub>O<sub>9</sub>

- M = 178.15 g/mol
- CAS [485-47-2]
- EC 207-618-1
- Store at 15C° .... +25C°

Melting Point	250 - 258 °C (decomposition)
pH value	4.6 - 5.0 (10 g/l, H <sub>2</sub> O, 20 °C)
Bulk density	680 kg/m <sup>3</sup>
Solubility	20 g/l

CLASSIFICATION: WARNING

H302 - H315 - H319 - P302 + P352 - P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.930143.00102	100 Gr SQR (HDPE)	1-36
TK.930143.00252	250 Gr SQR (HDPE)	1-36
TK.930143.00502	500 Gr SQR (HDPE)	1-36

### Nitric Acid %55-57, Extra Pure

HN03(aq)

- Boiling: 122 C
- CAS [7697-37-2]
- UN 2031
- ADR: 8 (5.1), II
- Store at 2C° .... +25C°

Assay	55-57%
Density (20 C)	1,33-1,36 g/cm <sup>3</sup>
Iron(Fe)	<= 0,0005%
Heavy Metals(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0005%
Appearance	Clear

CLASSIFICATION: HAZARDOUS

H272 - H290 - H314 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.130340.01001	1 lt PLS (HDPE)	12
TK.130340.02500	2,5 lt GLS bottle	4
TK.130340.02501	2,5 lt PLS bottle	6
TK.130340.05001	5 lt PLS (HDPE)	4
TK.130340.25001	25 lt PLS (HDPE)	1

## Laboratory Chemicals

### Nitric Acid %65, Extra Pure

$\text{HNO}_3(\text{aq})$

- Boiling: 121 C
- CAS [7697-37-2]
- UN 2031
- ADR: 8 (5.1), II
- Store at 2C° .... +25C°

Assay	64,0-66,0%
Density (20 C)	1,37-1,41 gr/cm <sup>3</sup>
Arsenic (As)	<= 0,0001%
Calcium (Ca)	<= 0,0005%
Iron (Fe)	<= 0,0001%
Chloride (Cl)	<= 0,0001%
Sulfate (SO <sub>4</sub> )	<= 0,0002%
Residue on ignition	<= 0,0005%
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H272 - H290 - H314 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.130341.01001	1 lt PLS (HDPE)	12
TK.130341.02500	2,5 lt GLS bottle	4
TK.130341.02501	2,5 lt PLS bottle	6
TK.130341.05001	5 lt PLS (HDPE)	4
TK.130341.25001	25 lt PLS (HDPE)	1

### 1-Octanol for Synthesis

$\text{C}_8\text{H}_{18}\text{O}$

- M = 130.23 g/mol
- CAS [111-87-5]
- EC 203-917-6
- Store at 15C° .... +25C°
- Density 0.69 g/cm<sup>3</sup> (20 °C)
- Flash point -12 °C

Assay (GC):	Min. 99.0%
Wt. per ml, 20°C:	0.824-0.827g
Water:	0.3%max
Boiling point (1013 hPa)	195 °C
Density (20 °C)	0.83 g/cm <sup>3</sup>
Explosion limit	0.8 % (V)
Flash point	86 °C

#### CLASSIFICATION: WARNING

H319 - H412 - P273 - P305 + P351 + P338



Product Code	Package Type	Quantity in Box
TK.930144.01000	1 lt GLS bottle	6
TK.930144.02500	2,5 lt GLS bottle	4
TK.930144.25003	25 lt IRN Iron	1

### Oxalic Acid Dihydrate, Extra Pure

$\text{C}_2\text{H}_2\text{O}_4 \cdot 2\text{H}_2\text{O}$

- M = 126,07 g/mol
- Melting: 101 C
- CAS [6153-56-6]
- UN 3261
- EC 205-634-3
- ADR: 8, III
- Store at +15C° .... +25C°

Assay	>= 99,50%
Sulfate(SO <sub>4</sub> )	<= 0,05%
Chloride(Cl)	<= 0,001%
Magnesium(Mg)	<= 0,001%
Iron(Fe)	<= 0,001%
Heavy Metals(Pb)	<= 0,001%
Calcium(Ca)	<= 0,001%
Sodium(Na)	<= 0,001%
Sulfated Ash	<= 0,02%
Moisture	<= 0,5%

#### CLASSIFICATION: HAZARDOUS

H302+H315  
P302+P352



Product Code	Package Type	Quantity in Box
TK.140350.01002	1 kg SQR (HDPE)	18
TK.140350.05004	5 kg SQR (HDPE)	4
TK.140350.25006	25 kg Nylon in box	1

### Orange G (C.I.16230) for Microscopy

$\text{C}_{16}\text{H}_{10}\text{N}_2\text{Na}_2\text{O}_7\text{S}_2$

- M = 452,37 g/mol
- CAS [1936-15-8]
- EC 217-705-6
- Store at +5C° .... +30C°

Dye Content	>= 80%
Absorption, L max Water	476-481 nm
Absorptivity(A, %1,1 cm)	380-500 nm
Loss ond Drying (110 C)	<= 15,0%

Product Code	Package Type	Quantity in Box
TK.930092.00102	100 Gr SQR (HDPE)	1-36
TK.930092.00502	500 Gr SQR (HDPE)	18
TK.930092.01002	1 kg SQR (HDPE)	18

### Paraffin Pellets, Melting point 56-58°C for Pathology & Histology, Extra Pure

- Melting: 56 - 58 C
- CAS [8002-74-2]
- EC 232-315-6
- Store at +5C° .... +30C°

Solidification point	56-58 C
Fat content	<= 0,5%

Product Code	Package Type	Quantity in Box
TK.200661.00502	500 Gr SQR (HDPE)	1-36
TK.200661.05004	5 kg SQR (HDPE)	4
TK.200661.25006	25 kg Nylon in box	1

### Perchloroethylene (Tetrachloroethylene), Extra Pure

- $C_2Cl_4$
- M = 165,82 g/mol
  - Boiling: 121 C
  - CAS [127-18-4]
  - UN 1897
  - EC 204-825-9
  - ADR: 6.1, III
  - Store at 2C° .... +25C°

Purity(G.C)	>= 99,5%
Density(20 C)	1,61-1,62 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Water(K.F)	<= 0,5%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: ATTENTION

H351 - H411 P281 - P273 -  
P308+P313



Product Code	Package Type	Quantity in Box
TK.120332.01000	1 lt GLS bottle	6
TK.120332.02500	2,5 lt GLS bottle	4
TK.120332.05003	5 lt PLS (COEX)	4
TK.120332.25001	25 lt PLS (HDPE)	1
TK.120332.25003	25 lt IRN Iron	1

### Petroleum Benzine 40-60°C, Extra Pure

- Boiling: 36- 83 C
- CAS [64742-49-0]
- UN 1268
- EC 265-151-9
- ADR: 3, II
- Store at +15C° .... +25C°

Boiling Range 40-60 C	>=90%
Density [20 C]	0,64-0,66 gr/cm <sup>3</sup>
Benzene (G.C)	<= 0,001%
n-Hegzane (G.C)	<= 2,0%
Acidity	<= 0,0005 meq/gr
Nonvolatile material	<= 0,001%
Sulfur Compounds	<= 0,005%
Water(K.F)	<= 0,01%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H304 - H315 - H336 - H411 - EUH066 P210 - P240 -  
P273 - P301+P330+P331 - P302+P352 - P403+P233



Product Code	Package Type	Quantity in Box
TK.150370.01000	1 lt GLS bottle	6
TK.150370.02500	2,5 lt GLS bottle	4
TK.150370.05003	5 lt PLS (COEX)	4
TK.150370.25003	25 lt IRN Iron	1

### Phenol Red Indicator Gr for Analysis

- $C_{19}H_{14}O_5S$
- M = 354,38 g/mol
  - Melting: >300 C
  - CAS [143-74-8]
  - EC 205-609-7
  - Store at +5C° .... +30C°

Dye Content	>= 95%
Transition Range(pH:2,0-3,0)	Brownish Orange to yellow
Transition Range(pH:6,5-8,0)	Brownish Orange to red viol.
Loss ond Drying (110 C)	<= 1,0%

Product Code	Package Type	Quantity in Box
TK.930093.00102	100 Gr SQR (HDPE)	1-36
TK.930093.00502	500 Gr SQR (HDPE)	18
TK.930093.01002	1 kg SQR (HDPE)	18

### Phenol (Crystallized) Gr for Analysis

- $C_6H_6O$
- M = 94,11 g/mol
  - Melting: 40,8 C
  - Boiling: 181-182 C
  - CAS [108-95-2]
  - UN 1671
  - EC 203-632-7
  - ADR: 6.1, II
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Chloride(Cl)	<= 0,0005%
Sulfur(S)	<= 0,0001%
Iron(Fe)	<= 0,0001%
o-Cresole	<= 0,001%
Carbonyl Content	<= 0,005%
Water	<= 0,01%
Solidification Point	40,5-41,5 C
Colour(Pt-Co)	<= 10
Appearance	White Crsytal

#### CLASSIFICATION: HAZARDOUS

H301+H311+H331 - H314 - H341 - H373 P280 - P301+P330+ P331 -  
P302+P352 - P304+P340 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.201122.01002	1 kg SQR (HDPE)	18

## Laboratory Chemicals

### Phenol (Crystallized), ACS grade

$C_6H_5OH$

- D = 1.07 g/cm<sup>3</sup> (20 °C)
- Melting: 100 °C
- Molar Mass : 94.11 g/mol
- Flash point : 81 °C
- Ignition temperature: 595 °C
- Melting Point: 40.8 °C
- pH value: 5 (50 g/l, H<sub>2</sub>O, 20 °C)
- Vapor pressure: 0.2 hPa (20 °C)
- Bulk density 0.620 kg/m<sup>3</sup>
- Solubility: 84 g/l
- CAS 108-95-2
- EC 203-632-7
- UN 1671
- ADR 6.1, II
- Store at 15C° .... +25C°

Assay (bromatometric)	99.0 - 100.5 %
Assay (bromatometric, calc. on anhydrous substance)	99.0 - 100.5 %
Identity (IR-spectrum)	passes test
Identity (wet chemistry)	passes test
Appearance	colourless
Appearance of solution (67 g/l, water)	clear
Acidic substances	passes test
Solidification temperature	≥ 39.5 °C
Fe (Iron)	≤ 1 ppm
Benzene (HS-GC)	≤ 2 ppm
Methanol (HS-GC)	≤ 3000 ppm
Acetone (HS-GC)	≤ 2 ppm
Anisole	≤ 10 ppm
Cumene (HS-GC)	≤ 70 ppm
Methylisobutylketone (HS-GC)	≤ 2 ppm
Residue on evaporation (105 °C, 1 h)	≤ 0.06 %
Residue on evaporation (105 °C)	≤ 0.04 %
Water (according to Karl Fischer)	≤ 0.6 %

#### CLASSIFICATION: HAZARDOUS

H301 + H311 + H331 - H314 - H341 -H373 -  
P280 - P301 + P330 + P331  
P302 + P352 - P304 + P340 - P305 + P351 +  
P338 -P308 + P310



Product Code	Package Type	Quantity in Box
TK.201123.01002	1 kg SQR (HDPE)	18

### Phenolphthalein Indicator (Powder)

$C_{20}H_{14}O_4$

- M = 318,32 g/mol
- Melting: 264 C
- CAS [77-09-8]
- EC 201-004-7
- Store at +5C° .... +30C°

Assay	≥ 98,0%
Transition Range(pH:8,2-9,8)	Colourless to red violet
Absorption(L max pH:9,8)	551-554 nm
Absorptivity(A,%1,1 cm)	700-750
Loss on Drying (110 C)	≤ 1,0%

#### CLASSIFICATION: HAZARDOUS

H350 - H341 - H361f P201 - P260 -P308+P313



Product Code	Package Type	Quantity in Box
TK.930094.00102	100 Gr SQR (HDPE)	1-36
TK.930094.00502	500 Gr SQR (HDPE)	18
TK.930094.01002	1 kg SQR (HDPE)	18

### 2-Phenoxyethanol, Extra Pure

$C_8H_{10}O_2$

- M = 138,17 g/mol
- Melting: 11 - 13 C
- Boiling: 244 - 246 C
- CAS [122-99-6]
- EC 204-589-7
- Store at 15C° .... +25C°

Purity(G.C)	≥ 99,5%
Density(20 C)	1,10-1,15 gr/cm <sup>3</sup>
Phenol	≤ 0,005%
Acidity	≤ 0,0005 meq/gr
Colour(Pt-Co)	≤ 10
Water(K.F)	≤ 0,1%

#### CLASSIFICATION: ATTENTION

H302 - H319 P305+P351+ P338



Product Code	Package Type	Quantity in Box
TK.201121.01000	1 lt GLS bottle	6
TK.201121.01001	1 lt PLS (HDPE)	12
TK.201121.02500	2,5 lt GLS bottle	4
TK.201121.02501	2,5 lt PLS bottle	6
TK.201121.05001	5 lt PLS (HDPE)	4
TK.201121.25001	25 lt PLS (HDPE)	1



### Ortho-Phosphoric Acid %85 (Food grade), Extra Pure

- $H_3PO_4$  (aq)
- M = 98,00 g/mol
  - CAS [7664-38-2]
  - Melting: ~ 21 C
  - UN 1805
  - Boiling: ~ 158 C
  - EC 231-633-2
  - ADR: 8, III
  - Store at 15C° .... +25C°

Assay	>=85,0%
Density [20 C]	1,67-1,71 g/cm <sup>3</sup>
Chloride(Cl)	<= 0,0005%
Sulfate(SO <sub>4</sub> )	<= 0,002%
Iron(Fe)	<=0,001%
Arsenic(As)	<=0,002%
Lead(Pb)	<=0,0005%
Colour(Pt-Co)	<=10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H314 - H290 P280 - P301+P330+P331 - P310 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.140360.01001	1 lt PLS (HDPE)	12
TK.140360.02501	2,5 lt PLS bottle	6
TK.140360.05001	5 lt PLS (HDPE)	4
TK.140360.25001	25 lt PLS (HDPE)	1

### Polyglycol PEG-300, Extra Pure

- $HO(C_2H_4O)_nH$
- M = 280-320 g/mol
  - CAS [25322-68-3]
  - Boiling : >=220,0 C
  - EC 500-038-2
  - Store at 15C° .... +25C°

Density[20 C]	1,11-1,14 gr/cm <sup>3</sup>
Average Molecular Weight	285-315 gr/mol
Hydroxyl Value	356-394 mg KOH/gr
Water	<= 1,0%
Colour(Pt-Co)	<=20
Dynamic Viscosity[20 C]	88-96 mPa.s
Kinetic Viscosity[100 C]	5,4-6,4 mm <sup>2</sup> /s
pH[5%,H <sub>2</sub> O,20 C]	5,0-7,0

Product Code	Package Type	Quantity in Box
TK.150380.01001	1 lt PLS (HDPE)	12
TK.150380.02501	2,5 lt PLS bottle	6
TK.150380.05001	5 lt PLS (HDPE)	4
TK.150380.25001	25 lt PLS (HDPE)	1

### Polyglycol PEG-400, Extra Pure

- $HO(C_2H_4O)_nH$
- M = 380 - 420 g/mol
  - CAS [25322-68-3]
  - Boiling: > 200 C
  - EC 500-038-2
  - Store at 15C° .... +25C°

Density [20 C]	1,11-1,14 g/cm <sup>3</sup>
Average Molecular Weight	380-420 gr/mol
Hydroxyl Value	264-300 mg KOH/gr
1,4-Dioxan	<=10ppm
Total Glycols	<=0,2%
Ethylene Oxide	<=1,0ppm
Acidity	<=0,1 mgKOH/gr
Colour(Pt-Co)	<=20
Water(K.F)	<=0,1%
pH( 5 %,H <sub>2</sub> O,20 C)	4,0-7,0
Kinetic Viscosity[20 C]	95-111 mm <sup>2</sup> /s
Dynamic Viscosity[20 C]	110-125 mPa.s

Product Code	Package Type	Quantity in Box
TK.150390.01001	1 lt PLS (HDPE)	12
TK.150390.02501	2,5 lt PLS bottle	6
TK.150390.05001	5 lt PLS (HDPE)	4
TK.150390.25001	25 lt PLS (HDPE)	1

### Polyglycol PEG-1500, Extra Pure

- $HO(C_2H_4O)_nH$
- M = 1400 - 1600 g/mol
  - CAS [25322-68-3]
  - Melting: 43,0-48,0 C
  - EC 500-038-2
  - Store at 15C° .... +25C°

Average Molecular Weight	1400-1600 gr/mol
Hydroxyl Value	70-80 mg KOH/gr
Melting Range	43,0-48,0 C
Water	<= 1,0%
Sulfated Ash	<= 0,1%
Kinetic Viscosity[100 C]	27-35 mm <sup>2</sup> /S
pH[5%,H <sub>2</sub> O,25 C]	5,0-7,0
Colour[25% Sol. Pt-Co]	<=35

Product Code	Package Type	Quantity in Box
TK.201805.00502	500 Gr SQR (HDPE)	18
TK.201805.05004	5 kg SQR (HDPE)	4
TK.201805.25006	25 kg Nylon in box	1

### Polyglycol PEG-6000, Extra Pure

HO(C<sub>2</sub>H<sub>4</sub>O)<sub>n</sub>H

- M = 5600-6600 g/mol
- CAS [25322-68-3]
- Melting: 55,0-60,0 C
- EC 500-038-2
- Store at 15C° .... +25C°

Average Molecular Weight	5600-6600 gr/mol
Hydroxyl Value	17-20 mg KOH/gr
Melting Range	55,0-60,0 C
Water	<= 1,0%
Sulfated Ash	<= 0,1%
1,4-Dioxane	<= 0,0001%
Total Glycols	<= 0,2%
Formaldehyde	<= 0,002%
Heavy Metals(Pb)	<= 0,0005%
Ethylene Oxide	<= 0,0001%
Viscosity(5%,H <sub>2</sub> O,20 C)	210-262 mPa.s
Kinetic Viscosity(100 C)	250-390 mm <sup>2</sup> /S
pH(5%,H <sub>2</sub> O,25 C)	5,0-7,5
Colour(25% Sol. Pt-Co)	<=30

#### Product Code

#### Package Type

#### Quantity in Box

TK.201806.00502	500 Gr SQR (HDPE)	1-18
TK.201806.05004	5 kg SQR (HDPE)	4
TK.201806.25006	25 kg Nylon in box	1

### Potassium Acetate, Extra Pure

C<sub>2</sub>H<sub>3</sub>KO<sub>2</sub>

- M = 98.15 g/mol
- CAS [127-08-2]
- EC 204-822-2
- Store at 15C° .... +25C°

Assay:	Min. 99.00%
Reaction pH(5% in water):	7.0 - 9.0
Chloride(Cl):	0.05% max
Sulphate(SO <sub>4</sub> ):	0.05% max
Iron(Fe):	0.001% max
Heavy metal(as Pb):	0.001% max

#### Product Code

#### Package Type

#### Quantity in Box

TK.930145.01002	1 kg SQR (HDPE)	18
TK.930145.05004	5 kg SQR (HDPE)	4
TK.930145.25006	25 kg Nylon in box	1

### Potassium Bicarbonate (hydrogen), Extra Pure

KHCO<sub>3</sub>

- M = 100.12 g/mol
- CAS [298-14-6]
- EC 206-059-0
- Store at 15C° .... +25C°

Assay (on dried basis):	99.7-100.5%
Insoluble matter:	0.01% Max.
Chloride(Cl):	0.001% Max.
Phosphate (PO <sub>4</sub> ):	5 ppm Max.
Sulphur compounds(as SO <sub>4</sub> ):	0.003% Max.
Ammonium (NH <sub>4</sub> ):	5 ppm Max.
Heavy metals (as Pb):	5 ppm Max.
Iron (Fe):	5 ppm Max.
Calcium (Ca):	0.002% Max.
Magnesium (Mg):	0.001% Max.
Sodium(Na):	0.03% Max.

#### Product Code

#### Package Type

#### Quantity in Box

TK.930146.01002	1 kg SQR (HDPE)	18
TK.930146.05004	5 kg SQR (HDPE)	4
TK.930146.25006	25 kg Nylon in box	1

### Potassium Bromide, Extra Pure

KBr

- M = 119,01 g/mol
- CAS [7758-02-3]
- Melting: 730 C
- EC 231-830-3
- Store at +5C° .... +30C°

Assay	>= 99,5%
Chloride (Cl)	<= 0,1%
Sulfate (SO <sub>4</sub> )	<=0,005%
Bromate(BrO <sub>3</sub> )	<= 0,001%
Heavy metals(Pb)	<= 0,0005%
Iron (Fe)	<= 0,0005%
Moisture	<= 0,3%
pH(10%,H <sub>2</sub> O,25 C)	5,0-8,0

#### CLASSIFICATION: HAZARDOUS

H319 P305+P351+P338



#### Product Code

#### Package Type

#### Quantity in Box

TK.201777.01002	1 kg SQR (HDPE)	18
TK.201777.05004	5 kg SQR (HDPE)	4
TK.201777.25006	25 kg Nylon in box	1

### Potassium Carbonate, Analytic Grade

- $K_2CO_3$
- M = 138,21 g/mol
  - Melting: 891 C
  - CAS [584-08-7]
  - EC 209-529-3
  - Store at +5C° .... +30C°

Assay	>= 99,50%
Sodium(Na)	<= 0,5%
Chloride (Cl)	<= 0,02%
Sulfate (SO4)	<=0,1%
Iron(Fe)	<= 0,001%
Aluminium(Al)	<=0,1%
Chromium(Cr)	<= 0,0005%
Loss on Ignition(500 C)	<= 0,2%
Particle Size(<2,5 mm)	>=99,9%
Particle Size(<0,1 mm)	<=5,0%

#### CLASSIFICATION: ATTENTION

H315 - H319 - H335 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.150430.01002	1 kg SQR (HDPE)	18
TK.150430.05004	5 kg SQR (HDPE)	4
TK.150430.25006	25 kg Nylon in box	1

### Potassium Carbonate, Extra Pure

- $K_2CO_3$
- M = 138,21 g/mol
  - Melting: 891 C
  - CAS [584-08-7]
  - EC 209-529-3
  - Store at +5C° .... +30C°

Assay	>=99-101%
Iron (Fe)	<= 0,001%
Arsenic (As)	<=0,0001%
Chloride (Cl)	<= 0,001%
Sulfate (SO4)	<= 0,002%
Loss on drying	<=0,1%
Appearance	White powder

#### CLASSIFICATION: ATTENTION

H315 - H319 - H335 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.150431.01002	1 kg SQR (HDPE)	18
TK.150431.05004	5 kg SQR (HDPE)	4
TK.150431.25006	25 kg Nylon in box	1

### Potassium Chlorate, Extra Pure

- $KClO_3$
- M = 122,55 g/mol
  - Melting: 356 C
  - CAS [3811-04-9]
  - EC 223-289-7
  - UN 1485
  - ADR: 5.1, II
  - Store at +5C° .... +30C°

Assay	>= 99%
Chloride (Cl)	<= 0,02%
Bromate(BrO3)	<= 0,02%
Sodium(Na)	<= 0,05%
Loss on Drying(105 C)	<= 0,05%
Anticaking Agent	<= 0,4%
pH(7%,H2O,20 C)	4,5-6,0

#### CLASSIFICATION: HAZARDOUS

H271 - H332 - H302 - H411 P210 - P221 - P273



Product Code	Package Type	Quantity in Box
TK.150441.01002	1 kg SQR (HDPE)	18
TK.150441.05004	5 kg SQR (HDPE)	4
TK.150441.25006	25 kg Nylon in box	1

### Potassium Chloride, Extra Pure

- KCl
- M = 74,56 g/mol
  - CAS [7447-40-7]
  - EC 231-211-8
  - Melting: 773 C
  - Store at 15C° .... +25C°

Assay	>= 99,0%
Sodium(Na)	<= 0,2%
Magnesium(Mg)	<= 0,01%
Calcium(Ca)	<= 0,0008%
Sulfate(SO4)	<= 0,01%
Loss on Drying(105 C)	<= 0,1%
pH(5%,H2O,20 C)	5,0-8,0

Product Code	Package Type	Quantity in Box
TK.150440.01002	1 kg SQR (HDPE)	18
TK.150440.05004	5 kg SQR (HDPE)	4
TK.150440.25006	25 kg Nylon in box	1

### Potassium Chromate, Extra Pure

$K_2CrO_4$

- M = 194,21 g/mol
- Melting: 985 C
- CAS [7789-00-6]
- UN 3288
- EC 232-140-5
- ADR: 6.1, II
- Store at 15C° .... +25C°

Assay	>= 99,5 %
Chloride (Cl)	<= 0,05 %
Sulfate (SO4)	<= 0,05 %
Moisture	<= 0,1%
pH[5 %,H2O,20 C]	9,0-10,0

#### CLASSIFICATION: HAZARDOUS

H340 - H350I - H315 - H317 - H319 - H335 - H410 P201 - P273 - P280 - P302+P352 - P305+P351+P338 - P308+P313



Product Code	Package Type	Quantity in Box
TK.930069.01002	1 kg SQR (HDPE)	18
TK.930069.05004	5 kg SQR (HDPE)	4
TK.930069.25006	25 kg Nylon in box	1

### Potassium Dichromate, Extra Pure

$K_2Cr_2O_7$

- M = 294,19 g/mol
- Melting: 398 C
- CAS [7778-50-9]
- UN 3086
- EC 231-906-6
- ADR: 6.1(5.1), II
- Store at 15C° .... +25C°

Assay	>= 99,5%
Chloride (Cl)	<= 0,05%
Sulfate (SO4)	<= 0,02%
Insoluble in Water	<= 0,03%
pH( 10%,H2O,25 C)	3,0-4,5
Appearance	Orange crystal

#### CLASSIFICATION: HAZARDOUS

H340 - H350 - H360FD - H272 - H301 - H312 - H314 - H317 - H330 H334 - H335 - H372 - H410 P201 - P221 - P273 - P280 - P301+ P330+P331 - P302+P352 - P304+P340 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.150400.01002	1 kg SQR (HDPE)	18
TK.150400.05004	5 kg SQR (HDPE)	4
TK.150400.25006	25 kg Nylon in box	1

### Potassium Dihydrogen Phosphate, Extra Pure

$KH_2PO_4$

- M = 136,09 g/mol
- Melting: ~ 253 C
- CAS [7778-77-0]
- EC 231-913-4
- Store at +5C° .... +30C°

Assay	>= 99%
P205	>= 51,5%
Potassium Oxide(K2O)	>= 34,0%
Arsenic(As)	<= 0,0005%
Heavy Metals(Pb)	<= 0,001%
Fluoride(F)	<= 0,005%
Moisture	<= 0,2%
Insoluble in Water	<= 0,1%
pH[1 %,H2O,20 C]	4,0-5,0

Product Code	Package Type	Quantity in Box
TK.200990.01002	1 kg SQR (HDPE)	18
TK.200990.05004	5 kg SQR (HDPE)	4
TK.200990.25006	25 kg Nylon in box	1

### Potassium Hexacyanoferrate (II), Trihydrate Extra Pure

$K_4[Fe(CN)_6].3H_2O$

- M = 422,39 g/mol
- Melting: ~ 70 C
- CAS [14459-95-1]
- EC 237-722-2
- Store at +5C° .... +30C°

Assay	>= 99,0%
Chloride (Cl)	<= 0,1%
Sulfate(SO4)	<= 0,1%
Sodium(Na)	<= 0,2%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,0005%
Moisture	<= 0,5%
Insoluble in Water	<= 0,01%

Product Code	Package Type	Quantity in Box
TK.200992.01002	1 kg SQR (HDPE)	18
TK.200992.05004	5 kg SQR (HDPE)	4
TK.200992.25006	25 kg Nylon in box	1

### Potassium Hexacyanoferrate (III), Extra Pure

$K_3[Fe(CN)_6]$

- M = 329,25 g/mol
- CAS [13746-66-2]
- EC 237-323-3
- Store at +5C° .... +30C°

Assay	>= 99,5%
Chloride(Cl)	<= 0,2%
K4[Fe(CN)6]	<= 0,2%
Insoluble in Water	<= 0,1%

Product Code	Package Type	Quantity in Box
TK.200991.01002	1 kg SQR (HDPE)	18
TK.200991.05004	5 kg SQR (HDPE)	4
TK.200991.25006	25 kg Nylon in box	1

### Potassium Hydroxide (flakes), Extra Pure

KOH

- M = 56,11 g/mol
- Melting: 360 C
- CAS [1310-58-3]
- UN 1813
- EC 215-181-3
- ADR: 8, II
- Store at +5C° .... +30C°

Assay	>= 90%
Chloride (Cl)	<= 0,01%
Iron(Fe)	<= 0,0001%
Potassium Carbonate	<= 0,2%
Sodium Hydroxide	<= 1,0%
Nickel(Ni)	<=0,0001%

CLASSIFICATION: HAZARDOUS

H340 - H350I - H315 - H317 - H319 - H335 - H410 P201 - P273 - P280 - P302+P352 - P305+P351+P338 - P308+P313



Product Code	Package Type	Quantity in Box
TK.150410.01002	1 kg SQR (HDPE)	18
TK.150410.05004	5 kg SQR (HDPE)	4
TK.150410.25006	25 kg Nylon in box	1

### Potassium Hydroxide (pellets), Analytic Grade

KOH

- M = 56.11 g/mol
- Melting: 360 °C
- pH value : 14 (56 g/l, H<sub>2</sub>O, 20 °C)
- Bulk density : 430 kg/m<sup>3</sup>
- Solubility : 1130 g/l
- CAS 1310-58-3
- EC 215-181-3
- UN 1813
- ADR: 8, II
- Store at 15C° .... +25C°

Assay (acidimetric, KOH)	> 85.0 %
Carbonate (as K <sub>2</sub> CO <sub>3</sub> )	≤ 1.0 %
Chloride (Cl)	≤ 0.005 %
Phosphate (PO <sub>4</sub> )	≤ 0.0005 %
Silicate (SiO <sub>2</sub> )	≤ 0.005 %
Sulfate (SO <sub>4</sub> )	≤ 0.0005 %
Total nitrogen (N)	≤ 0.0005 %
Heavy metals (as Pb)	≤ 0.0005 %
Al (Aluminium)	≤ 0.001 %
Ca (Calcium)	≤ 0.001 %
Cu (Copper)	≤ 0.0002 %
Fe (Iron)	≤ 0.0005 %
Na (Sodium)	≤ 0.5 %
Ni (Nickel)	≤ 0.0005 %
Pb (Lead)	≤ 0.0005 %
Zn (Zinc)	≤ 0.0025 %

CLASSIFICATION: HAZARDOUS

H290 - H302 - H314  
P280 - P301 + P330 + P331 - P305 + P351 + P338 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.150411.01002	1 kg SQR (HDPE)	18
TK.150411.05004	5 kg SQR (HDPE)	4
TK.150411.25006	25 kg Nylon in box	1

### Di-Potassium Hydrogen Phosphate, Extra Pure

K<sub>2</sub>HPO<sub>4</sub>

- M = 174.18 g/mol
- CAS [7758-11-4]
- EC 231-834-5
- Store at 15C° .... +25C°

Assay (acidimetric):	98 - 101 %
pH (5% aq soln):	8.5 - 9.5
Loss on drying, 105°C:	2.0% max
Chloride(Cl):	0.005% max
Sulphate(SO <sub>4</sub> ):	0.02% max
Iron(Fe):	0.002% max
Heavy metal(as Pb):	0.001% max
Sodium(Na):	1.0% max

Product Code	Package Type	Quantity in Box
TK.930147.01002	1 kg SQR (HDPE)	18
TK.930147.05004	5 kg SQR (HDPE)	4
TK.930147.25006	25 kg Nylon in box	1

### Potassium Iodate, Extra Pure

KIO<sub>3</sub>

- M = 214,00 g/mol
- Melting: 560 C
- CAS [7758-05-6]
- UN 1479
- EC 231-831-9
- ADR: 5.1, II
- Store at +5C° .... +30C°

Assay	>=99,0%
Iodide	<= 0,002%
Sulfate (SO <sub>4</sub> )	<= 0,05%
Heavy Metals(Pb)	<= 0,002%
Loss on Drying(130 C)	<= 0,5%
pH(5 %,H <sub>2</sub> O,20 C)	5,0-8,0

CLASSIFICATION: HAZARDOUS

H272 - H318 P221 - P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.200981.00252	250 Gr SQR (HDPE)	1-36
TK.200981.00502	500 Gr SQR (HDPE)	18
TK.200981.01002	1 kg SQR (HDPE)	18

## Potassium Iodide, Extra Pure

KI

- M = 166,01 g/mol
- Melting: 723 C
- CAS [7681-11-0]
- EC 231-659-4
- Store at +5C° .... +30C°

Assay	>= 99,0%
Iron (Fe)	<= 0,02%
Sulfate (SO4)	<=0,1%
Heavy Metals(Pb)	0,01%
pH [% 5 ,H2O,20 C]	5,0-7,0

### Product Code

### Package Type

### Quantity in Box

TK.200980.00250	250 Gr SQR (HDPE)	1-36
TK.200980.00500	500 Gr SQR (HDPE)	18
TK.200980.01002	1 kg SQR (HDPE)	18

## Di-Potassium Oxalate Monohydrate, Extra Pure

$K_2C_2O_4 \cdot H_2O$

- M = 184,24 g/mol
- CAS [6487-48-5]
- EC 209-506-8
- Store at 15C° .... +25C°

Assay(oxidimetric):	min. 99,0%
Chloride(Cl):	0.005% max
Sulphate(SO4):	0.05% max
Iron(Fe):	0.005% max
Heavy metal(as Pb):	0.005% max

CLASSIFICATION: WARNING

H302-H312-P280



### Product Code

### Package Type

### Quantity in Box

TK.930148.01002	1 kg SQR (HDPE)	18
TK.930148.05004	5 kg SQR (HDPE)	4
TK.930148.25006	25 kg Nylon in box	1

## Potassium Permanganate, Extra Pure

$KMnO_4$

- M = 158,03 g/mol
- Melting: >240 C
- CAS [7722-64-7]
- UN 1490
- EC 231-760-3
- ADR: 5.1, II
- Store at +5C° .... +30C°

Assay	>= 99,0%
Chloride(Cl)	<= 0,05%
Sulfate(SO4)	<= 0,05%
Insoluble in Water	<= 0,2%

CLASSIFICATION: HAZARDOUS

H272 - H302 - H314 - H410 P221 - P273 - P280  
P301+P330+P331 - P305+P351+P338 - P308+P310



### Product Code

### Package Type

### Quantity in Box

TK.930079.01002	1 kg SQR (HDPE)	18
TK.930079.05004	5 kg SQR (HDPE)	4
TK.930079.25006	25 kg Nylon in box	1

## Potassium Sodium Tartrate Tetrahydrate Gr for Analysis

$C_4H_4KNaO_6 \cdot 4H_2O$

- M = 282,23 g/mol
- Melting: 70 - 80 C
- CAS [6381-59-5]
- EC 206-156-8
- Store at +5C° .... +30C°

Assay	>= 99%
Chloride (Cl)	<=0,005%
Sulfate(SO4)	<= 0,005%
Phosphate(PO4)	<= 0,002%
Ammonium(NH4)	<= 0,002%
Calcium(Ca)	<= 0,005%
Iron(Fe)	<= 0,001%
Heavy Metals(Pb)	<= 0,0005%
Insoluble Matter	<= 0,005%
Ph [5 % ,H2O, 25 C]	6,0-8,5

### Product Code

### Package Type

### Quantity in Box

TK.200230.01002	1 kg SQR (HDPE)	18
TK.200230.05004	5 kg SQR (HDPE)	4
TK.200230.25006	25 kg Nylon in box	1

## Potassium Sorbate, Extra Pure

$C_6H_7KO_2$

- M = 150,22 g/mol
- Melting: ~ 270 C
- CAS [24634-61-5]
- EC 246-376-1
- Store at 15C° .... +25C°

Assay	>= 99,0%
Chloride(Cl)	<= 0,02%
Sulfate(SO4)	<= 0,05%
Aldehydes(Formaldehyde)	<= 0,1%
Alkalinity(K2CO3)	<= 1,0%
Arsenic(As)	<= 0,0005%
Lead(Pb)	<= 0,0005%
Mercury(Hg)	<= 0,0001%
Heavy Metals(Pb)	<= 0,001%
Loss on Drying(105 C)	<= 1,0%
Ph (sat.sol ,H2O, 25 C)	8,0-11,0

CLASSIFICATION: HAZARDOUS

H315 - H319 P262 - P302+P352 - P305+P351+P338



### Product Code

### Package Type

### Quantity in Box

TK.200970.01002	1 kg SQR (HDPE)	18
TK.200970.05004	5 kg SQR (HDPE)	4
TK.200970.25006	25 kg Nylon in box	1



### Potassium Tripolyphosphate, Extra Pure

- $K_5P_3O_{10}$
- M = 301,03 g/mol
  - CAS [13845-36-8]
  - EC 237-574-9
  - Store at +5C° .... +30C°

Assay	>= 95,0%
P2O5	>= 46,0%
Potassium Oxide(K2O)	>= 52,0%
Iron(Fe)	<= 0,01%
Arsenic(As)	<= 0,001%
Heavy Metals(Pb)	<= 0,005%
Chloride(Cl)	<= 0,1%
Insoluble in Water	<= 1,0%
Loss on Ignition	<= 0,5%
pH (1 %, H2O 20 C)	9,2-10,1

Product Code	Package Type	Quantity in Box
TK.930080.01002	1 kg SQR (HDPE)	18
TK.930080.05004	5 kg SQR (HDPE)	4
TK.930080.25006	25 kg Nylon in box	1

### Tri-Potassium Citrate Monohydrate, Extra Pure



- M = 324,42 g/mol
- Melting: >180 C
- CAS [6100-05-6]
- EC 212-755-5
- Store at +5C° .... +30C°

Assay	>= 99,0%
Assay as Potassium	35,6-36,2%
Chloride(Cl)	<= 0,002%
Sulfate(SO4)	<= 0,01%
Sodium(Na)	<= 0,3%
Oxalates	<= 0,01%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,0001%
Mercury(Hg)	<= 0,0001%
Heavy Metals(Pb)	<= 0,0005%
Water	4,0-6,0%
pH(5 %, H2O, 20 C)	7,0-9,0

Product Code	Package Type	Quantity in Box
TK.200631.01002	1 kg SQR (HDPE)	18
TK.200631.05004	5 kg SQR (HDPE)	4
TK.200631.25006	25 kg Nylon in box	1

### Potassium Sulfate, Extra Pure

- $K_2SO_4$
- M = 174,27 g/mol
  - CAS [7778-80-5]
  - EC 231-915-5
  - Store at +5C° .... +30C°

Assay	>= 98%
Chloride (Cl)	<= 1,0%
Potassium Oxide(K2O)	>= 51,0%
Loss on Drying (105 C)	<= 0,05%
pH (5 %, H2O 20 C)	5,0-8,5

Product Code	Package Type	Quantity in Box
TK.081008.01002	1 kg SQR (HDPE)	18
TK.081008.05004	5 kg SQR (HDPE)	4
TK.081008.25006	25 kg Nylon in box	1

### 1,2 -Propanediol (Monopropylene glycol), Extra Pure

- $C_3H_8O_2$
- M = 76,09 g/mol
  - Boiling: 188 C
  - CAS [57-55-6]
  - EC 200-338-0
  - Store at 15C° .... +25C°

Purity	>= 99,5%
Density(20 C)	1,03-1,04 gr/cm <sup>3</sup>
Chloride(Cl)	<= 0,01%
Sulfate(SO4)	<= 0,01%
Iron(Fe)	<= 0,0001%
Arsenic(As)	<= 0,0001%
Heavy Metals(Pb)	<= 0,0005%
Water(K.F)	<= 0,2%
Colour(Pt-Co)	<= 10
pH (10 %, H2O 20 C)	6,0-8,0

Product Code	Package Type	Quantity in Box
TK.800600.01001	1 lt PLS (HDPE)	12
TK.800600.02500	2,5 lt GLS bottle	4
TK.800600.02501	2,5 lt PLS bottle	6
TK.800600.05001	5 lt PLS (HDPE)	4
TK.800600.25001	25 lt PLS (HDPE)	1

## Laboratory Chemicals

### 1-Propanol (N-Propanol), Extra Pure

- $C_3H_8O$
- M = 60,10 g/mol
  - Boiling : 96-98 C
  - CAS [71-23-8]
  - EC 200-746-9
  - UN 1274
  - ADR: 3, II
  - Store at 15C° .... +25C°

Purity	>= 99,5%
Density [20 C]	0,802-0,806 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0003 meq/gr
Water[K.F]	<=0,1%
Colour (Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H225 - H318 - H336 P210 - P240 - P280 - P305+P351 - P338 - P313 - P403+P233



Product Code	Package Type	Quantity in Box
TK.201789.01000	1 lt GLS bottle	6
TK.201789.01001	1 lt PLS (HDPE)	12
TK.201789.02500	2,5 lt GLS bottle	4
TK.201789.02501	2,5 lt PLS bottle	6
TK.201789.05001	5 lt PLS (HDPE)	4
TK.201789.25001	25 lt PLS (HDPE)	1
TK.201789.25003	25 lt IRN Iron	1

### Pyridine Analytic, ACS Grade

- $C_5H_5N$
- M = 79.1 g/mol
  - CAS [110-86-1]
  - EC 203-809-9
  - UN 1282
  - ADR: 3 II
  - Store at 15C° .... +25C°
  - Density 0.982 g/cm<sup>3</sup> [20 °C]
  - Flash point 17 °C

Assay:	Min.99.0%C5H5N
Solubility in water:	Passes test
Residue after evaporation:	0.002% Max.
Water:	0.1% Max.
Chloride [Cl]:	0.001% Max.
Sulphate [SO <sub>4</sub> ]:	0.001% Max.
Ammonia[NH <sub>3</sub> ]:	0.002% Max.
Copper [Cu]:	5ppm Max.

#### CLASSIFICATION: DANGER

H225 - H302 + H312 + H332 - H315 - H319 - P210 - P240 P302 + P352 - P305 + P351 + P338 - P403 + P233



Product Code	Package Type	Quantity in Box
TK.930149.01000	1 lt GLS bottle	6
TK.930149.02500	2,5 lt GLS bottle	4
TK.930149.25003	25 lt IRN Iron	1

### Salicylic Acid, Extra Pure

- $C_7H_6O_3$
- M = 138,12 g/mol
  - Melting: 158-161 C
  - CAS [69-72-7]
  - EC 200-712-3
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Chloride [Cl]	<= 0,01%
Sulfate [SO <sub>4</sub> ]	<= 0,02%
Heavy Metals (as Pb)	<= 0,02%
Loss on Drying	<= 0,5%
Ignition Residue	<= 0,05%

#### CLASSIFICATION: HAZARDOUS

H302 - H318 P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.920070.01002	1 kg SQR (HDPE)	18
TK.920070.05004	5 kg SQR (HDPE)	4
TK.920070.25006	25 kg Nylon in box	1

### Sea Sand (40-150 mesh), Analytic Grade

- $SiO_2$
- Boiling point: >2200 °C (1013 hPa) >2200 °C (1013 hPa)
  - Density: 2.65 g/cm<sup>3</sup> [20 °C] 2.65 g/cm<sup>3</sup> [20 °C]
  - Melting Point: 1713 °C
  - pH value: 5 - 8 (400 g/l, H<sub>2</sub>O, 20 °C) (slurry)
  - Bulk density: 1400 kg/m<sup>3</sup>
  - CAS 14808-60-7
  - EC 238-878-4
  - Store at 15C° .... +25C°

Product Code	Package Type	Quantity in Box
TK.930266.01002	1 kg SQR (HDPE)	18
TK.930266.05004	5 kg SQR (HDPE)	4
TK.930266.25006	25 kg Nylon in box	1

### Silica Gel 60 ( 70-230 mesh ) Column chromatography

- SiO<sub>2</sub>
- M = 60,08 g/mol
  - Melting: 1710 °C
  - Boiling: 2230 °C
  - pH value: 7 (100 g/l, H<sub>2</sub>O, 20 °C)
  - Bulk density : 200 - 1430 kg/m<sup>3</sup>
  - CAS 7631-86-9
  - EC 231-545-4
  - Store at 15C° .... +25C°

Product Code	Package Type	Quantity in Box
TK.170482.00502	500 gr SQR (HDPE)	1-36
TK.170482.05004	5 kg SQR (HDPE)	4
TK.170482.25006	25 kg Nylon in box	1

### Silica Gel with humidity indicator (Blue), Extra Pure

- SiO<sub>2</sub>
- CAS [7631-86-9]
  - EC 231-545-4
  - Store at 15C° .... +25C°
- Qualif.Rat.of Spherical Particle >= 90,0%  
 Qualif.Rat.of Particle Size >= 98,0%  
 Loss on Drying(120 C) <= 2,0%  
 Water Absorption Capacity  
 Relative Humidity = %20 >= 8,0%  
 Relative Humidity = %35 >= 13,0%  
 Relative Humidity = %50 >= 20,0%  
 Bead Size 2-5 mm  
 Colour Blue

Product Code	Package Type	Quantity in Box
TK.170480.01002	1 kg SQR (HDPE)	18
TK.170480.05004	5 kg SQR (HDPE)	4
TK.170480.25006	25 kg Nylon in box	1

### Silica Gel with Humidity Indicator (Orange) Extra Pure

- SiO<sub>2</sub>
- CAS [7631-86-9]
  - EC 231-545-4
  - Store at 15C° .... +25C°
- Qualif.Rat.of Spherical Particle >= 90,0%  
 Qualif.Rat.of Particle Size >= 90,0%  
 Loss on Drying(120 C) <= 2,0%  
 Water Absorption Capacity  
 Relative Humidity = %20 >= 8,0%  
 Relative Humidity = %35 >= 12,0%  
 Relative Humidity = %50 >= 20,0%  
 Bead Size 2-5 mm  
 Colour Orange

Product Code	Package Type	Quantity in Box
TK.170481.01002	1 kg SQR (HDPE)	18
TK.170481.05004	5 kg SQR (HDPE)	4
TK.170481.25006	25 kg Nylon in box	1

### Silica Gel with Humidity Indicator (White), Extra Pure

- SiO<sub>2</sub>
- CAS [7631-86-9]
  - EC 231-545-4
  - Store at 15C° .... +25C°
- Qualif.Rat.of Spherical Particle >= 90,0%  
 Qualif.Rat.of Particle Size >= 90,0%  
 Loss on Drying(120 C) <= 2,0%  
 Water Absorption Capacity  
 Relative Humidity = %20 >= 8,0%  
 Relative Humidity = %35 >= 12,0%  
 Relative Humidity = %50 >= 20,0%  
 Bead Size 2-5 mm  
 Colour White  
 pH 4-8 6.2  
 SiO<sub>2</sub> content 98,6%

Product Code	Package Type	Quantity in Box
TK.930101.01002	1 kg SQR (HDPE)	18
TK.930101.05004	5 kg SQR (HDPE)	4
TK.930101.25006	25 kg Nylon in box	1

### Silver Nitrate, Extra Pure

- AgNO<sub>3</sub>
- M = 169,87 g/mol
  - Melting: 212 C
  - CAS [7761-88-8]
  - UN 1493
  - EC 231-853-9
  - ADR:5.1, II
  - Store at 15C° .... +25C°

- Assay >= 99,5%  
 Chloride [Cl] <= 0,001%  
 Sulphate [SO<sub>4</sub>] <= 0,002%  
 Iron [Fe] <= 0,001%  
 Appearance White crystal

#### CLASSIFICATION: HAZARDOUS

H272 - H302 - H314 - H410 P221 - P273 - P280  
 P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.920049.00102	100 Gr SQR (HDPE)	1-36
TK.920049.00252	250 Gr SQR (HDPE)	18
TK.920049.00502	500 Gr SQR (HDPE)	18
TK.920049.01002	1 kg SQR (HDPE)	18

## Sodium Acetate Trihydrate, Extra Pure

- CH<sub>3</sub>COONa.3H<sub>2</sub>O
- M = 136,08 g/mol
  - Melting: 58 C
  - CAS [6131-90-4]
  - EC 204-823-8
  - Store at +5C° .... +30C°

Assay	>= 98%
Heavy Metals(Pb)	<= 0,001%
Moisture	<= 2,0%
Insoluble in Water	<= 0,1%
pH (5 %, H2O 20 C)	7,0-9,6

Product Code	Package Type	Quantity in Box
TK.170500.01002	1 kg SQR (HDPE)	18
TK.170500.05004	5 kg SQR (HDPE)	4
TK.170500.25006	25 kg Nylon in box	1

## Sodium Azide Analytic, ACS Grade

- NaN<sub>3</sub>
- M = 65.01 g/mol
  - CAS [26628-22-8]
  - EC 247-852-1
  - UN 1687
  - ADR: 6,1 II
  - Store at 15C° .... +25C°

Assay:	Min. 99.0%
Insoluble matter:	0.05% Max.
Loss on drying:	0.1% Max.
Titration base:	0.05 meq/g Max.

### CLASSIFICATION: DANGER

H300 - H410 - EUH032 - P273 - P308 + P310 - P501



Product Code	Package Type	Quantity in Box
TK.930150.00102	100 Gr SQR (HDPE)	1-36
TK.930150.00252	250 Gr SQR (HDPE)	1-36
TK.930150.00502	500 Gr SQR (HDPE)	1-36
TK.930150.01002	1 kg SQR (HDPE)	18

## Sodium Benzoate, Extra Pure

- C<sub>6</sub>H<sub>5</sub>COONa
- M = 144,11 g/mol
  - Melting: 410 - 430 C
  - CAS [532-32-1]
  - EC 208-534-8
  - Store at +5C° .... +30C°

Assay	>= 99%
Chloride (Cl)	<=0,02%
Sulfate (SO <sub>4</sub> )	<= 0,1%
Heavy metals (as Pb)	<= 0,001%
Arsenic(As)	<= 0,0002%
Moisture	<= 1,5%
pH (10 %, H2O 20 C)	~9,0

Product Code	Package Type	Quantity in Box
TK.201030.00502	500 Gr SQR (HDPE)	18
TK.201030.05004	5 kg SQR (HDPE)	4
TK.201030.25006	25 kg Nylon in box	1

## Sodium Bromide, Extra Pure

- NaBr
- M = 102,90 g/mol
  - Melting: 755 C
  - CAS [7647-15-6]
  - EC 231-599-9
  - Store at +5C° .... +30C°

Assay	>= 99%
Chloride(Cl)	<= 1,0%
Sulfat(SO <sub>4</sub> )	<= 0,1%
Moisture	<= 1,0%
pH (5 %, H2O 20 C)	5,5 - 10,5

Product Code	Package Type	Quantity in Box
TK.201779.01002	1 kg SQR (HDPE)	18
TK.201779.05004	5 kg SQR (HDPE)	4
TK.201779.25006	25 kg Nylon in box	1

## Sodium Borohydride, Extra Pure

- NaBH<sub>4</sub>
- M = 37.83 g/mol
  - CAS [16940-66-2]
  - EC 241-004-4
  - Store at +5C° .... +30C°

Assay	>= 98.50%
Silica(Si):	0.05% max
Iron(Fe):	0.005% max
Description:	White granular crystals / crystalline powder.



Product Code	Package Type	Quantity in Box
TK.930102.00102	100 gr SQR (HDPE)	1-36
TK.930102.00502	500 gr SQR (HDPE)	18
TK.930102.01002	1 kg SQR (HDPE)	18

### Sodium Carbonate, Extra Pure

Na<sub>2</sub>CO<sub>3</sub>

- M = 105,99 g/mol
- CAS [497-19-8]
- Melting: 854 C
- EC 207-838-8
- Store at +5C° .... +30C°

Assay	>= 99,0%
Sodium Chloride	<= 0,3%
Sodium Sulfate	<= 0,05%
Calcium Oxide	<= 0,01%
Magnesium Oxide	<= 0,005%
Iron Oxide(Fe <sub>2</sub> O <sub>3</sub> )	<= 0,002%
Loss on Drying	<= 0,5%

CLASSIFICATION: HAZARDOUS

H319 P260 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.170530.00502	500 Gr SQR (HDPE)	18
TK.170530.05004	5 kg SQR (HDPE)	4
TK.170530.25006	25 kg Nylon in box	1

### Sodium Chlorate, Extra Pure

NaClO<sub>3</sub>

- M = 106,44 g/mol
- CAS [7775-09-9]
- Melting: 255 C
- UN 1495
- EC 231-887-4
- ADR: 5.1, II
- Store at +5C° .... +30C°

Assay	>= 99,5%
Sodium Chloride (NaCl)	<= 0,1%
Insoluble in Water	<=0,005%
Water	<= 0,05%
pH (5 %, H <sub>2</sub> O 20 C)	5,0-7,0

CLASSIFICATION: HAZARDOUS

H271 - H302 - H411 P210 - P221 - P273



Product Code	Package Type	Quantity in Box
TK.920079.01002	1 kg SQR (HDPE)	18
TK.920079.05004	5 kg SQR (HDPE)	4
TK.920079.25006	25 kg Nylon in box	1

### Sodium Chloride, Extra Pure

NaCl

- M = 58,44 g/mol
- CAS [7647-14-5]
- Melting: 801 C
- EC 231-598-3
- Store at +5C° .... +30C°

Assay	>= 99,5%
Calcium (Ca)	<= 0, 002%
Magnesium (Mg)	<= 0,0003%
Iron (Fe)	<= 0,0005%
Alkalinity	<=0,01%
Sulfate (SO <sub>4</sub> )	<=0,01%
Moisture	<= 0,05%
pH (10%,H <sub>2</sub> O 20 C)	7,0-7,5

Product Code	Package Type	Quantity in Box
TK.170540.01002	1 kg SQR (HDPE)	18
TK.170540.05004	5 kg SQR (HDPE)	4
TK.170540.25006	25 kg Nylon in box	1

### Sodium Chloride Gr For Analysis

NaCl

- M = 58,44 g/mol
- CAS [7647-14-5]
- Melting: 801 C
- EC 231-598-3
- Store at +5C° .... +30C°

Assay	>= 99,5%
Iron(Fe)	<= 0,002%
Lead(Pb)	<= 0,0005%
Potassium(K)	<= 0,02%
Sulfate(SO <sub>4</sub> )	<= 0,02%
Ammonia(NH <sub>3</sub> )	<= 0,002%
Loss on Drying(105 C)	<= 1,0%
pH (10%,H <sub>2</sub> O 20 C)	7,0-7,5

Product Code	Package Type	Quantity in Box
TK.930095.01002	1 kg SQR (HDPE)	18
TK.930095.05004	5 kg SQR (HDPE)	4
TK.930095.25006	25 kg Nylon in box	1

### Tri-Sodium Citrate Dihydrate, Extra Pure

$C_6H_5Na_3O_7 \cdot 2H_2O$

- M = 294,10 g/mol
- Melting: 150 C (anhydrous)
- CAS [6132-04-3]
- EC 200-675-3
- Store at 15C° .... +25C°

Purity	>=99,0%
Chloride (Cl)	<= 0,005%
Sulfate (SO4)	<=0,02%
Oxalate	<= 0,001%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,0002%
Mercury(Hg)	<= 0,0001%
Heavy Metals(Pb)	<= 0,0005%
Water	11,0-13,0%
pH (5%,H2O 20 C)	7,5-9,0

#### Product Code

#### Package Type

#### Quantity in Box

TK.920091.01002	1 kg SQR (HDPE)	18
TK.920091.05004	5 kg SQR (HDPE)	4
TK.920091.25006	25 kg Nylon in box	1

### Sodium Cyanide, Extra Pure

NaCN

- M = 49,01 g/mol
- Melting: 563 C
- CAS [143-33-9]
- UN 1689
- EC 205-599-4
- ADR:6.1, I
- Store at 15C° .... +25C°

Assay	>= 98%
Sodium Hydroxide(NaOH)	<= 0,5%
Sodium Carbonate(Na2CO3)	<= 1,0%
Moisture	<= 0,5%
pH (10%,H2O 20 C)	10,0-12,0

#### CLASSIFICATION: HAZARDOUS

H300+H310+H330 - H410 - EUH032 P273 - P280 - P302+P352 -P304+P340 - P308+P310



#### Product Code

#### Package Type

#### Quantity in Box

TK.201780.01002	1 kg SQR (HDPE)	18
TK.201780.05004	5 kg SQR (HDPE)	4
TK.201780.25006	25 kg Nylon in box	1

### Sodium Dichromate Dihydrate, Extra Pure

$Na_2Cr_2O_7 \cdot 2H_2O$

- M = 298,00 g/mol
- Melting: 356,0 C(Anhydrous)
- CAS [7789-12-0]
- UN 3086
- EC 234-190-3
- ADR: 6.1(5.1), III
- Store at +5C° .... +30C°

Assay	>= 99,0%
Chromium Trioxide(CrO3)	>= 75,0%
Chloride (Cl)	<= 0,2%
Sulfate (SO4)	<= 0,1%
Iron (Fe)	<=0,001%
Insoluble in Water	<= 0,01%
pH (10%,H2O 20 C)	3,0-4,0

#### CLASSIFICATION: HAZARDOUS

H340 - H350 - H360FD - H272 - H301 - H312 - H314- H317 - H330 H334 - H372 - H410 P201 - P221 - P273- P280 - P301+P330+ P331 - P302+P352 - P304+P340- P305+P351+P338 - P308+P310



#### Product Code

#### Package Type

#### Quantity in Box

TK.170550.01002	1 kg SQR (HDPE)	18
TK.170550.05004	5 kg SQR (HDPE)	4
TK.170550.25006	25 kg Nylon in box	1

### Sodium Fluoride, Extra Pure

NaF

- M = 41,99 g/mol
- Melting: 993 C
- CAS [7681-49-4]
- UN 1690
- EC 231-667-8
- ADR: 6.1, III
- Store at 5C° .... +30C°

Assay	>= 98,0%
Silica (SiO2)	<= 0,5%
Sodium Fluorosilicate(Na2SiF6)	<= 0,5%
Heavy metals (as Pb)	<= 0,04%
Loss on Drying(120 C)	<= 0,5%

#### CLASSIFICATION: HAZARDOUS

H301 - H315 - H319 - EUH032 P302+P352 P305+P351+P338 - P308+P310



#### Product Code

#### Package Type

#### Quantity in Box

TK.201031.01002	1 kg SQR (HDPE)	18
TK.201031.05004	5 kg SQR (HDPE)	4
TK.201031.25006	25 kg Nylon in box	1



### Sodium Gluconate, Extra Pure



- M = 218,14 g/mol
- Melting: 170-175 C
- CAS [527-07-1]
- EC 208-407-7
- Store at +5C° .... +30C°

Assay	>= 98,0%
Chloride(Cl)	<= 0,1%
Sulfate(SO4)	<= 0,1%
Reducing Substances	<= 0,7%
Lead(Pb)	<= 0,0002%
Arsenic(As)	<= 0,0002%
Heavy Metals(Pb)	<= 0,001%
Loss on Drying	<= 0,5%
pH (10%,H2O 20 C)	6,0-8,0

Product Code	Package Type	Quantity in Box
TK.201807.01002	1 kg SQR (HDPE)	18
TK.201807.05004	5 kg SQR (HDPE)	4
TK.201807.25006	25 kg Nylon in box	1

### Sodium Hexametaphosphate, Extra Pure



- M = 611,77 g/mol
- CAS [68915-31-1]
- EC 272-808-3
- Store at 5C° .... +30C°

Total Phosphate(P2O5)	65,0-70,0%
Inactive Phosphate(P2O5)	<= 7,5%
Iron (Fe)	<= 0,05%
Insoluble in Water	<= 0,05%
pH(%1 , H2O)	5,5-7,5

Product Code	Package Type	Quantity in Box
TK.920056.01002	1 kg SQR (HDPE)	18
TK.920056.05004	5 kg SQR (HDPE)	4
TK.920056.25006	25 kg Nylon in box	1

### Sodium Hydrogen Carbonate / Sodium Bicarbonate (Food grade), Extra Pure



- M = 84,01 g/mol
- Melting: 270 C
- CAS [144-55-8]
- EC 205-633-8
- Store at +5C° .... +30C°

Assay	>= 99,0%
Sodium Carbonate(Na2CO3)	<= 0,5%
Chloride(Cl)	<= 0,03%
Sulfate(SO4)	<= 0,03%
Insoluble in Water	<= 0,05%
pH(%5,H2O,20 C)	8,0-9,0

Product Code	Package Type	Quantity in Box
TK.170531.01002	1 kg SQR (HDPE)	18
TK.170531.05004	5 kg SQR (HDPE)	4
TK.170531.25006	25 kg Nylon in box	1

### Di-Sodium Hydrogen Phosphate Anhydrous, Extra Pure



- M = 141,96 g/mol
- Melting: 250 C
- CAS [7558-79-4]
- EC 231-448-7
- Store at 5C° .... +30C°

Assay (Na2HPO4)	>= 95,0%
Phosphate(P2O5)	>= 47,0%
Loss on Drying(105 C)	<= 3,0%
pH(1 %,H2O,20 C)	8,2-10,2
Insoluble in Water	<= 0,5%

Product Code	Package Type	Quantity in Box
TK.802301.01002	1 kg SQR (HDPE)	18
TK.802301.05004	5 kg SQR (HDPE)	4
TK.802301.25006	25 kg Nylon in box	1

## Sodium Dihydrogen Phosphate (Dihydrate) Extra Pure, Bp, PhEur, Usp, E 339

$\text{NaH}_2\text{PO}_4 \cdot 2\text{H}_2\text{O}$

- M = 156.02 g/mol
- Melting: 60 C
- CAS [13472-35-0]
- EC 231-449-2
- Store at 15C° .... +25C°

Assay (alkalimetric, calculated on dried substance)	98.0 - 100.5 %
Assay (alkalimetric; dried substance)	98.0 - 101.0 %
Identity	Passes test
Appearance of solution	Passes test
In water insoluble matter (calculated on dried substance)	≤ 0.15 %
pH-value (1 %, water)	4.1 - 4.7
pH-value (5 %, water)	4.2 - 4.5
pH-value (5.7 %, water)	4.1 - 4.5
Chloride (Cl)	≤ 0.005 %
Fluoride (F)	≤ 0.001 %
Hydrogenphosphate ( $\text{HPO}_4$ )	≤ 0.5 %
Sulphate ( $\text{SO}_4$ )	≤ 0.01 %
Heavy metals (as Pb)	≤ 0.0005 %
Al, Ca and other elements detectable with ammonia	Passes test
As (Arsenic)	≤ 0.0001 %
Fe (Iron)	≤ 0.001 %
Pb (Lead)	≤ 0.0001 %
Substances reducing potassium permanganate (as O)	Passes test
Loss on drying (130 °C)	22.0 - 24.0 %

### Product Code

TK.930104.01002

### Package Type

1 kg SQR (HDPE)

### Quantity in Box

18

## Di-Sodium Hydrogen Phosphate Dodecahydrate, Extra Pure

$\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$

- M = 358,14 g/mol
- Melting: 35 C
- CAS [10039-32-4]
- EC 231-448-7
- Store at 15C° .... +25C°

Assay	≥ 97,0%
Phosphorus Pentoxide(P2O5)	≥ 19,0%
Chloride (Cl)	≤ 0,05%
Sulfate(SO4)	≤ 0,7%
Fluoride(F)	≤ 0,05%
Insoluble in Water	≤ 0,1%
pH(1 %,H2O,20 C)	8,8-9,5

### Product Code

TK.802300.01002  
TK.802300.05004  
TK.802300.25006

### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

### Quantity in Box

18  
4  
1

## Sodium Hydrogen Sulfate, Extra Pure

$\text{NaHSO}_4$

- M = 120,06 g/mol
- CAS [7681-38-1]
- EC 231-665-7
- Store at 15C° .... +25C°

Assay	≥ 93,0%
Iron(Fe)	≤ 0,02%
Loss on Drying	≤ 0,2%

### CLASSIFICATION: HAZARDOUS

H318 P280 - P305+P351+P338



### Product Code

TK.201778.01002  
TK.201778.05004  
TK.201778.25006

### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

### Quantity in Box

18  
4  
1

## Sodium Hydroxide (Granulles), Extra Pure

$\text{NaOH}$

- M = 40,00 g/mol
- Melting: 323 C
- CAS [1310-73-2]
- UN 1823
- ADR: 8,II
- EC 215-185-5
- Store at 5C° .... +30C°

Assay	≥ 98 %
Sodium Carbonate( $\text{Na}_2\text{CO}_3$ )	≤ 0,5%
Sodium Chloride (NaCl)	≤ 0,02%
Iron(Fe)	≤ 0,001%

### CLASSIFICATION: HAZARDOUS

H290 - H314 P280 - P301+P330+P331-  
P305+P351+P338 - P308+P310



### Product Code

TK.170511.01002  
TK.170511.05004  
TK.170511.25006

### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

### Quantity in Box

18  
4  
1

### Sodium Hydroxide Solution $\geq 45\%$ , Extra Pure

- NaOH(aq)
- CAS [1310-73-2]
  - UN 1824
  - ADR: 8,II
  - EC 215-185-5
  - Store at 15C° .... +25C°

Assay	$\geq 45,0\%$
Density(20 C)	1,48-1,50 gr/cm <sup>3</sup>
Sodium Carbonate(Na <sub>2</sub> CO <sub>3</sub> )	$\leq 1,0\%$
Chloride(Cl)	$\leq 0,05\%$
Iron(Fe)	$\leq 0,0005\%$
Silicium Oxide(SiO <sub>2</sub> )	$\leq 0,0002\%$

#### CLASSIFICATION: HAZARDOUS

H290 - H314 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.200632.01001	1 lt PLS (HDPE)	12
TK.200632.05001	5 lt PLS (HDPE)	4
TK.200632.25001	25 lt PLS (HDPE)	1

### Sodium Hydroxide, Pearl (Pharma grade), Extra Pure

- NaOH
- M = 40,00 g/mol
  - Melting: 323 C
  - CAS [1310-73-2]
  - UN 1823
  - ADR: 8,II
  - EC 215-185-5
  - Store at 5C° .... +30C°

Assay	$\geq 99,0\%$
Sodium Carbonate	$\leq 0,5\%$
Chloride(Cl)	$\leq 0,005\%$
Sulfate(SO <sub>4</sub> )	$\leq 0,005\%$
Iron(Fe)	$\leq 0,001\%$
Arsenic(As)	$\leq 0,0005\%$
Lead(Pb)	$\leq 0,0001\%$
Heavy Metals(Pb)	$\leq 0,002\%$

#### CLASSIFICATION: HAZARDOUS

H290 - H314 P280 - P301+P330+P331 - P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.170510.01002	1 kg SQR (HDPE)	18
TK.170510.05004	5 kg SQR (HDPE)	4
TK.170510.25006	25 kg Nylon in box	1

### Sodium Hydroxide (Pellet) Analytic, ACS grade

- M = 40,00 g/mol
- Melting: 319 - 322 °C
- pH value : >14 [100 g/l, H<sub>2</sub>O, 20 °C]
- Solubility : 1090 g/l
- CAS 1310-73-2
- EC 215-185-5
- UN 1823
- ADR: 8, II
- Store at 15C° .... +25C°

Assay (acidimetric,NaOH)	99 - 100 %
Assay (total alkalinity calc. as NaOH)	99 - 100 %
Carbonate (as Na <sub>2</sub> CO <sub>3</sub> )	$\leq 0,5\%$
Chloride (Cl)	$\leq 0,0005\%$
Phosphate (PO <sub>4</sub> )	$\leq 0,0005\%$
Silicate (SiO <sub>2</sub> )	$\leq 0,001\%$
Sulfate (SO <sub>4</sub> )	$\leq 0,0005\%$
Total nitrogen (N)	$\leq 0,0003\%$
Heavy metals (as Ag)	$\leq 0,0005\%$
Heavy metals (as Pb)	$\leq 0,0005\%$
Al (Aluminium)	$\leq 0,0005\%$
As (Arsenic)	$\leq 0,0001\%$
Ca (Calcium)	$\leq 0,0005\%$
Cu (Copper)	$\leq 0,0002\%$
Fe (Iron)	$\leq 0,0005\%$
Hg (Mercury)	$\leq 0,00001\%$
K (Potassium)	$\leq 0,020\%$
Mg (Magnesium)	$\leq 0,0005\%$
Ni (Nickel)	$\leq 0,0005\%$
Pb (Lead)	$\leq 0,0005\%$
Zn (Zinc)	$\leq 0,001\%$

#### CLASSIFICATION: HAZARDOUS

H290 - H314 - P280 - P301 + P330 + P331  
P305 + P351 + P338 - P308 + P310



Product Code	Package Type	Quantity in Box
TK.170512.01002	1 kg SQR (HDPE)	18
TK.170512.05004	5 kg SQR (HDPE)	4
TK.170512.25006	25 kg Nylon in box	1

## Sodium Hypochlorite %6-14, Extra Pure

- NaClO(aq)
- M = 74,44 g/mol
  - Boiling: 102 C
  - CAS [7681-52-9]
  - UN 1791
  - ADR: 8, II
  - Store at +2.... +8 C°

Active Chlorine	6,0-15,0%
Total Chlorine	6,6-16,5%
Density (20 C)	1,19-1,23 gr/cm <sup>3</sup>
Sodium Hydroxide(NaOH)	0,7-1,1%
Sodium Carbonate(Na <sub>2</sub> CO <sub>3</sub> )	<= 0,5%
Iron (Fe)	<= 0,0001%
pH(20 C)	12,0-13,0

### CLASSIFICATION: HAZARDOUS

H314- EUH031 P260 - P303+P361+P353 - P305+



Product Code	Package Type	Quantity in Box
TK.170520.01001	1 lt PLS (HDPE)	12
TK.170520.02501	2,5 lt PLS bottle	6
TK.170520.05001	5 lt PLS (HDPE)	4
TK.170520.25001	25 lt PLS (HDPE)	1

## Sodium Iodide, Extra Pure

- NaI
- M = 149,89 g/mol
  - Melting: 662 C
  - CAS [7681-82-5]
  - EC 231-679-3
  - ADR: 9, III
  - UN 3077
  - Store at +5C° .... +30C°

Assay	>= 99,0%
Heavy metals (as Pb)	<= 0,001%
Water	<= 2,0%
pH(5 %,H <sub>2</sub> O,20 C)	6,0-9,0

### CLASSIFICATION: ATTENTION

H400 P273



Product Code	Package Type	Quantity in Box
TK.201110.00252	250 Gr SQR (HDPE)	1-36
TK.201110.00502	500 Gr SQR (HDPE)	18
TK.201110.01002	1 kg SQR (HDPE)	18

## Sodium Lauryl (Dodecyl) Sulfate, Extra Pure

- C<sub>12</sub>H<sub>25</sub>NaO<sub>4</sub>S
- M = 288,37 g/mol
  - CAS [151-21-3]
  - EC 205-788-1
  - UN 1325
  - ADR: 4.1 III
  - Store at 15C° .... +25C°

Density	1,1 g/cm <sup>3</sup> (20 °C)
Flash point	>150 °C
Melting Point	204 - 207 °C
pH value	6 - 9 (10 g/l, H <sub>2</sub> O, 20 °C)
Bulk density	490 - 560 kg/m <sup>3</sup>
Solubility	150 g/l
Assay (acidimetric, on dried basis):	Min. 99.0% C <sub>12</sub> H <sub>25</sub> NaO <sub>4</sub> S
Fatty alcohol (as C <sub>12</sub> H <sub>25</sub> OH):	Min. 96.0%
Absorbance (3% W/W):	0.1 AU Max.
Loss on drying:	1.0% Max.
Titration base:	0.06 meq/g Max.
Heavy metals (as Pb):	0.002% Max.
Unsulphated alcohols:	4.0% Max.

### CLASSIFICATION: DANGER

H228 - H302 - H315 - H318 - H335 - H412 - P210 - P273 - P280 P302 + P352 - P305 + P351 + P338 - P313



Product Code	Package Type	Quantity in Box
TK.930151.00502	500 Gr SQR (HDPE)	18
TK.930151.05004	5 kg SQR (HDPE)	4
TK.930151.25006	25 kg Nylon in box	1

## Sodium Metabisulfite (Sodium Disulfite), Extra Pure

- Na<sub>2</sub>S<sub>2</sub>O<sub>5</sub>
- M = 190,10 g/mol
  - Melting: 150 C
  - CAS [7681-57-4]
  - EC 231-673-0
  - Store at +5C° .... +30C°

Assay	>= 98,0%
Sulfur Dioxide(SO <sub>2</sub> )	66,0-67,0%
Sodium Sulfite(Na <sub>2</sub> SO <sub>3</sub> )	<=2,0%
Sodium Sulfate(Na <sub>2</sub> SO <sub>4</sub> )	<=2,0%
Sodium Thiosulfate(Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> )	<=0,03%
Iron(Fe)	<=0,0005%
Heavy Metals(Pb)	<=0,001%
Chloride(Cl)	<=0,005%
Arsenic(As)	<=0,00005%
Lead(Pb)	<=0,00005%
pH(10%,H <sub>2</sub> O)	4,0-6,0

### CLASSIFICATION: ATTENTION

H302 - H318 - EUH031  
P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.181207.01002	1 kg SQR (HDPE)	18
TK.181207.05004	5 kg SQR (HDPE)	4
TK.181207.25006	25 kg Nylon in box	1

### Sodium Metasilicate Pentahydrate, Extra Pure

$\text{Na}_2\text{SiO}_3 \cdot 5\text{H}_2\text{O}$   
 • M = 212,14 g/mol  
 • Melting : 72 C  
 • CAS [10213-79-3]  
 • EC 229-912-9  
 • UN 3253  
 • ADR: 8, III  
 • Store at 15C° .... +25C°  
 Assay ≥ 95%  
 Sodium Oxide(Na<sub>2</sub>O) 28,0-30,0%  
 Silica(SiO<sub>2</sub>) 27,0-29,0%  
 Iron(Fe) ≤ 0,1%  
 Insoluble in Water ≤ 0,2%  
 pH(1%,H<sub>2</sub>O,20 C) 12,0-13,0

**CLASSIFICATION: HAZARDOUS**  
 H314 - H335 P261 - P280 - P305+P351+P338 - P310



Product Code	Package Type	Quantity in Box
TK.090110.01002	1 kg SQR (HDPE)	18
TK.090110.05004	5 kg SQR (HDPE)	4
TK.090110.25006	25 kg Nylon in box	1

### Sodium Metasilicate Anhydrous, Extra Pure

$\text{Na}_2\text{SiO}_3$   
 • M = 122,06 g/mol  
 • Melting: 1089 C  
 • CAS [6834-92-0]  
 • UN 3253  
 • EC 229-912-9  
 Assay ≥ 95,0 %  
 Sodium Oxide(Na<sub>2</sub>O) 48,0-51,0 %  
 Silica(SiO<sub>2</sub>) 44,4-47,4 %  
 Iron(Fe) ≤ 0,1 %  
 Insoluble in Water ≤ 0,5 %  
 pH(1%,H<sub>2</sub>O,20 C) >12,0

**CLASSIFICATION: ATTENTION**  
 H290 - H314 - H335  
 P261 - P280 - P305+P351+P338 - P310



Product Code	Package Type	Quantity in Box
TK.090109.01002	1 kg SQR (HDPE)	18
TK.090109.05004	5 kg SQR (HDPE)	4
TK.090109.25006	25 kg Nylon in box	1

### Sodium Nitrite, Extra Pure

$\text{NaNO}_2$   
 • M = 69,00 g/mol  
 • Melting: 280 C  
 • CAS [7632-00-0]  
 • EC 231-555-9  
 • UN 1500  
 • ADR: 5.1, (6.1), III  
 • Store at 15C° .... +25C°  
 Assay ≥ 99,0%  
 Sodium Nitrate(NaNO<sub>3</sub>) ≤ 1,5%  
 Sodium Carbonate(Na<sub>2</sub>CO<sub>3</sub>) ≤ 0,1%  
 Sodium Chloride(NaCl) ≤ 0,005%  
 Sodium Sulfate(Na<sub>2</sub>SO<sub>4</sub>) ≤ 0,05%  
 Insoluble in Water ≤ 0,005%  
 Loss on Drying ≤ 0,2%

**CLASSIFICATION: HAZARDOUS**  
 H272 - H301 - H400 P273 - P308+P310



Product Code	Package Type	Quantity in Box
TK.311207.01002	1 kg SQR (HDPE)	18
TK.311207.05004	5 kg SQR (HDPE)	4
TK.311207.25006	25 kg Nylon in box	1

### Sodium Oxalate, Extra Pure

$\text{C}_2\text{Na}_2\text{O}_4$   
 • M = 134 g/mol  
 • CAS [62-76-0]  
 • EC 200-550-3  
 • Store at 15C° .... +25C°  
 Density 2.27 g/cm<sup>3</sup> (20 °C)  
 Melting Point 250 - 270 °C (decomposition)  
 pH value 8 (30 g/L, H<sub>2</sub>O, 20 °C)  
 Bulk density 600 kg/m<sup>3</sup>  
 Solubility 37 g/L  
 Assay: Min. 99.5%  
 Chloride (Cl): 0.005% max  
 Sulphate (SO<sub>4</sub>): 0.03% max  
 Iron (Fe): 0.005% max  
 Potassium (K): 0.02% max

**CLASSIFICATION: WARNING**  
 H302 + H312 - P262



Product Code	Package Type	Quantity in Box
TK.930152.01002	1 kg SQR (HDPE)	18
TK.930152.05004	5 kg SQR (HDPE)	4
TK.930152.25006	25 kg Nylon in box	1

**Tri-Sodium Phosphate Dodecahydrate, Extra Pure**

- $\text{Na}_3\text{PO}_4 \cdot 12\text{H}_2\text{O}$   
 • M = 380,18 g/mol  
 • Melting: 75 C  
 • CAS [10101-89-0]  
 • EC 231-509-8  
 • Store at +5C° .... +30C°

Assay	>= 98,0%
Sodium Oxide(Na <sub>2</sub> O)	15,0-19,0%
Chloride(Cl)	<= 0,5%
Insoluble in Water	<= 0,1%
pH(5%,H <sub>2</sub> O,20 C)	12,0-13,0

**CLASSIFICATION: HAZARDOUS**

H315 - H319 P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.050208.01002	1 kg SQR (HDPE)	18
TK.050208.05004	5 kg SQR (HDPE)	4
TK.050208.25006	25 kg Nylon in box	1

**Sodium Rod (with protective paraffin oil)**

- Na  
 • M = 22,99 g/mol  
 • Melting : 97,8 C  
 • CAS [7440-23-5]  
 • EC 231-132-9  
 • UN 1428  
 • ADR: 4.3, I  
 • Store at 15C° .... +25C°

Assay	>= 99,7%
Chloride(Cl)	<= 0,05%
Calcium(Ca)	<= 0,5%
Potassium(K)	<= 0,1%

**CLASSIFICATION: HAZARDOUS**

 H260 - H314 - EUH014 P280 - P301+P330+P331  
 P305+P351+P338 - P370+P378 - P308+P310 - P422


Product Code	Package Type	Quantity in Box
TK.800101.01002	1 kg SQR (HDPE)	18

**Sodium Stearate, Extra Pure**

- $\text{C}_{18}\text{O}_2\text{NaH}_{35}$   
 • M = 306,46 g/mol  
 • Melting : 180-205 C  
 • CAS [822-16-2]  
 • EC 212-490-5  
 • Store at +2C° .... +8C°

Assay	>= 98,0%
Iodine Value	<= 0,5
Moisture	<= 2,5%
Melting Point	196,0 C

Product Code	Package Type	Quantity in Box
TK.930081.00502	500 Gr SQR (HDPE)	18
TK.930081.05004	5 kg SQR (HDPE)	4
TK.930081.25006	25 kg Nylon in box	1

**Sodium Sulfide, Extra Pure**

- $\text{Na}_2\text{S} \cdot \text{XH}_2\text{O}$   
 • M = 78,04 g/mol (anhydrous)  
 • CAS [27610-45-3]  
 • EC 215-211-5  
 • UN 1849  
 • ADR: 8, II  
 • Store at 15C° .... +25C°

Na <sub>2</sub> S	>= 60%
Na <sub>2</sub> CO <sub>3</sub>	<= 2%
Iron (Fe)	<= 0,01%
Insoluble in Water	<=0,03%

**CLASSIFICATION: HAZARDOUS**

 H290 - H301 - H314 - H400  
 P273 - P280 - P301+P310 - P351+P338


Product Code	Package Type	Quantity in Box
TK.201782.01002	1 kg SQR (HDPE)	18
TK.201782.05004	5 kg SQR (HDPE)	4
TK.201782.25006	25 kg Nylon in box	1

**Sodium Sulfate (Anhydrous), Extra Pure**

- $\text{Na}_2\text{SO}_4$   
 • M = 142,04 g/mol  
 • Melting: 888 C  
 • CAS [7757-82-6]  
 • EC 231-820-9  
 • Store at +5C° .... +30C°

Assay	>= 99,0%
Sodium Chloride(NaCl)	<=0,3%
Iron(Fe)	<=0,001%
Magnesium(Mg)	<=0,05%
Calcium(Ca)	<=0,2%
Moisture	<=0,2%
Insoluble in Water	<=0,3%
pH (1 %,H <sub>2</sub> O,20 C)	6,0-8,0

Product Code	Package Type	Quantity in Box
TK.170560.01002	1 kg SQR (HDPE)	18
TK.170560.05004	5 kg SQR (HDPE)	4
TK.170560.25006	25 kg Nylon in box	1



### Sodium Sulfit, Extra Pure

- Na<sub>2</sub>SO<sub>3</sub>
- M = 126,04 g/mol
  - Melting: > 500 C
  - CAS [7757-83-7]
  - EC 231-821-4
  - Store at +5C° .... +30C°

Assay	>= 98,0%
Sodium Sulfate(Na2SO4)	<= 2,0%
Sodium Chloride(NaCl)	<= 0,05%
Iron (Fe)	<= 0,002%
Arsenic(As)	<= 0,0001%
Heavy Metals	<= 0,0005%
Insoluble in Water	<= 0,02%
pH (5 %,H2O,20 C)	8,0-10,0

Product Code	Package Type	Quantity in Box
TK.201781.01002	1 kg SQR (HDPE)	18
TK.201781.05004	5 kg SQR (HDPE)	4
TK.201781.25006	25 kg Nylon in box	1

### Di-Sodium Tetraborate Decahydrate, Extra Pure

- Na<sub>2</sub>B<sub>4</sub>O<sub>7</sub>·10H<sub>2</sub>O
- M = 381,37 g/mol
  - Melting: 75 C
  - CAS [1303-96-4]
  - EC 215-540-4
  - Store at +5C° .... +30C°

Assay	>= 99,5%
Boron trioxide(B2O3)	>= 36,0%
Sodium Oxide(Na2O)	>= 16,0%
Chloride(Cl)	<= 0,007%
Sulfate(SO4)	<= 0,02%
Iron(Fe)	<= 0,001%
Insoluble in Water	<= 0,1%
pH (5 %,H2O,20 C)	9,0-9,5

**CLASSIFICATION: HAZARDOUS**  
H360FD P201 - P308+P313



Product Code	Package Type	Quantity in Box
TK.020090.01002	1 kg SQR (HDPE)	18
TK.020090.05004	5 kg SQR (HDPE)	4
TK.020090.25006	25 kg Nylon in box	1

### Sodium Thiosulfate Pentahydrate, Extra Pure

- Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub>·5H<sub>2</sub>O
- M = 248,18 g/mol
  - Melting: 48,5 C
  - CAS [10102-17-7]
  - EC 231-867-5
  - Store at 15C° .... +25C°

Assay	>= 99,0%
Sodium Sulfit(Na2SO3)	<= 0,5%
Sodium Sulfate(Na2SO4)	<= 1,0%
Chloride(Cl)	<= 0,1%
Sulphur(Na2S)	<= 0,001%
Heavy Metals(Pb)	<= 0,001%
Iron(Fe)	<= 0,0005%
Insoluble in Water	<= 0,001%
pH (%10,H2O,20 C)	6,5-9,5

Product Code	Package Type	Quantity in Box
TK.170570.01002	1 kg SQR (HDPE)	18
TK.170570.05004	5 kg SQR (HDPE)	4
TK.170570.25006	25 kg Nylon in box	1

### Sodium Tripolyphosphate, Extra Pure

- Na<sub>5</sub>P<sub>3</sub>O<sub>10</sub>
- M = 367,86 g/mol
  - CAS [7758-29-4]
  - EC 231-838-7
  - Store at 15C° .... +25C°

Assay	>= 94,0%
Phosphor Pentaoxide(P2O5)	>= 57,0%
Iron(Fe)	<= 0,01%
Insoluble in Water	<= 0,2%
pH (%1,H2O,20 C)	9,0-10,0

Product Code	Package Type	Quantity in Box
TK.930082.01002	1 kg SQR (HDPE)	18
TK.930082.05004	5 kg SQR (HDPE)	4
TK.930082.25006	25 kg Nylon in box	1

### Starch (corn), Extra Pure

- [C<sub>6</sub>H<sub>10</sub>O<sub>5</sub>]<sub>n</sub>
- CAS [9005-25-8]
  - EC 232-679-6
  - Store at 15C° .... +25C°

Protein	<= 0,5%
Moisture	<= 13,0%
Sulfur Dioxide(SO2)	<= 0,001%
pH (%2,H2O,20 C)	4,5-6,0

Product Code	Package Type	Quantity in Box
TK.920086.00502	500 Gr SQR (HDPE)	18
TK.920086.05004	5 kg SQR (HDPE)	4
TK.920086.25006	25 kg Nylon in box	1

## Stearic Acid, Extra Pure

- $C_{18}H_{36}O_2$
- M = 284,47 g/mol
  - Melting: 68-70 C
  - CAS [57-11 -4]
  - EC 200-313-4
  - Store at 15C° .... +25C°

Saponification Value	208-212 mgKOH/gr
Acid Value	207-211 mgKOH/gr
Iodine Value	<= 0,5 %
Carbon Composition	
C14	<= 1,0%
C16	54-62%
C18	38-45%
>C18	<= 1,0%

Product Code	Package Type	Quantity in Box
TK.201060.01002	1 kg SQR (HDPE)	18
TK.201060.05004	5 kg SQR (HDPE)	4
TK.201060.25006	25 kg Nylon in box	1

## Strontium Carbonate, Extra Pure

- $SrCO_3$
- M = 147,63 g/mol
  - Melting: 1494 C
  - CAS [1633-05-2]
  - EC 216-643-7
  - Store at 15C° .... +25C°

Assay	>= 97,0%
Barium[BaCO3]	<= 2,0%
Calcium[CaCO3]	<= 0,2%
Iron[Fe]	<= 0,005%
Sulfate(SO4)	<= 0,5%
Moisture	<= 0,2%
Insoluble in Acid	<= 0,08%

Product Code	Package Type	Quantity in Box
TK.201808.01002	1 kg SQR (HDPE)	18
TK.201808.05004	5 kg SQR (HDPE)	4
TK.201808.25006	25 kg Nylon in box	1

## Strontium Nitrate, Extra Pure

- $Sr(NO_3)_2$
- M = 211,63 g/mol
  - Melting: 570 C
  - CAS [10042-76-9]
  - EC 233-131-9
  - UN 1507
  - ADR: 5.1, III
  - Store at 15C° .... +25C°

Assay	>= 99,0%
Barium Nitrate	<= 1,0%
Calcium Nitrate	<= 0,1%
Sodium Nitrate	<= 0,01%
Moisture	<= 0,5%
Insoluble in Water	<= 0,08%

### CLASSIFICATION: HAZARDOUS

H271 - H318 P210 - P221 - P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.201809.01002	1 kg SQR (HDPE)	18
TK.201809.05004	5 kg SQR (HDPE)	4
TK.201809.25006	25 kg Nylon in box	1

## Succinic acid, Extra Pure

- $C_4H_6O_4$
- M = 118,09 g/mol
  - CAS [110-15-6]
  - EC 203-740-4
  - Store at 15C° .... +25C°

Boiling point	235 °C (1013 hPa)
Density	1.56 g/cm3 (20 °C)
Flash point	206 °C
Ignition temperature	470 °C
Melting Point	185 - 190 °C
pH value	2.7 (10 g/l, H <sub>2</sub> O, 20 °C)
Bulk density	940 kg/m3
Solubility	58 g/l
Assay [acidimetric]:	min.99.0%
Melting point:	185-189°C
Chloride(Cl):	0.01%max
Sulphated ash:	0.1%max
Sulphate(SO4):	0.04%max

### CLASSIFICATION: DANGER

H318 - P280 - P305 + P351 + P338 - P313



Product Code	Package Type	Quantity in Box
TK.930153.01002	1 kg SQR (HDPE)	18
TK.930153.05004	5 kg SQR (HDPE)	4
TK.930153.25006	25 kg Nylon in box	1

### Sulfamic Acid (Amidosulfonic acid), Extra Pure

- H<sub>3</sub>NO<sub>3</sub>S
- M = 97,09 g/mol
  - Melting: 205 C
  - CAS [5329-14-6]
  - EC 226-218-8
  - UN 2967
  - ADR: 8, III
  - Store at +5C° .... +30C°

Assay	>= 99,5%
Chloride (Cl)	<= 0,005%
Sulfate (SO <sub>4</sub> )	<= 0,05%
Iron (Fe)	<= 0,005%
Heavy metals (as Pb)	<= 0,0005%
Moisture	<= 0,05%
Insoluble in Water	<= 0,01%

#### CLASSIFICATION: ATTENTION

H315 - H319 - H412 P273 - P302+P352 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.201050.01002	1 kg SQR (HDPE)	18
TK.201050.05004	5 kg SQR (HDPE)	4
TK.201050.25006	25 kg Nylon in box	1

### Sulfur, Extra Pure

- S
- M = 32,06 g/mol
  - Melting: 113-119 C
  - CAS [7704-34-9]
  - EC 231-722-6
  - UN 1350
  - ADR: 4.1, III
  - Store at +5C° .... +20C°

Assay	>= 99,0%
Arsenic(As)	<= 0,0005%
Sulfated Ash	<= 0,2%
Moisture	<= 0,5%

#### CLASSIFICATION: ATTENTION

H228 - H315 P302+P352



Product Code	Package Type	Quantity in Box
TK.201020.01002	1 kg SQR (HDPE)	18
TK.201020.05004	5 kg SQR (HDPE)	4
TK.201020.25006	25 kg Nylon in box	1

### Sulfuric Acid %62 (d: 1,52 g / cm<sup>3</sup>), Extra Pure

- H<sub>2</sub>SO<sub>4</sub>(aq)
- CAS [7664-93-9]
  - EC 231-639-5
  - UN 1830
  - ADR: 8, II
  - Store at 15C° .... +25C°

Assay	61,5-62,5%
Density	1,51-1,52 g/cm <sup>3</sup>
Iron (Fe)	<= 0,005%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,0001%
Ignition Residue	<= 0,02%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H290 - H314 P280 - P301+P330+P331  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.930086.01000	1 lt GLS bottle	6
TK.930086.02500	2,5 lt GLS bottle	4

### Sulfuric Acid %65 (d: 1,55 g / cm<sup>3</sup>), Extra Pure

- H<sub>2</sub>SO<sub>4</sub>(aq)
- CAS [7664-93-9]
  - EC 231-639-5
  - UN 1830
  - ADR: 8, II
  - Store at 15C° .... +25C°

Assay	64,5-65,5%
Density	1,54-1,56 g/cm <sup>3</sup>
Iron (Fe)	<= 0,005%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,0001%
Ignition Residue	<= 0,02%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H290 - H314 P280 - P301+P330+P331  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.201786.01000	1 lt GLS bottle	6
TK.201786.02500	2,5 lt GLS bottle	4

### Sulfuric Acid %90-91 (d: 1,82 g / cm<sup>3</sup>), Extra Pure

H<sub>2</sub>SO<sub>4</sub>(aq)

- CAS [7664-93-9]
- EC 231-639-5
- UN 1830
- ADR: 8, II
- Store at 15C° .... +25C°

Assay	90,0-91,0%
Density	1,81-1,82 g/cm <sup>3</sup>
Iron (Fe)	<= 0,005%
Arsenic(As)	<= 0,0001%
Lead(Pb)	<= 0,0001%
Ignition Residue	<= 0,02%
Colour(Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: ATTENTION**  
H290 - H314 P280 - P301+P330+P331  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.201785.01000	1 lt GLS bottle	6
TK.201785.02500	2,5 lt GLS bottle	4

### Sulfuric Acid %95-98, Extra Pure

H<sub>2</sub>SO<sub>4</sub>

- M = 98,08 g/mol
- Boiling: 335 C
- CAS [7664-93-9]
- UN 1830
- EC 231-639-5
- ADR: 8, II
- Store at 15C° .... +25C°

Assay	95-98%
Density	1,83-1,84 g/cm <sup>3</sup>
Iron(Fe)	<= 0,005%
Lead(Pb)	<= 0,0005%
Arsenic(As)	<= 0,0001%
Ignition Residue	<= 0,02%
Colour(Pt-Co)	<= 10
Appearance	Clear

**CLASSIFICATION: ATTENTION**  
H290 - H314 P280 - P301+P330+P331  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.170581.01000	1 lt GLS bottle	6
TK.170581.01001	1 lt PLS (HDPE)	12
TK.170581.02500	2,5 lt GLS bottle	4
TK.170581.02501	2,5 lt PLS bottle	6
TK.170581.05001	5 lt PLS (HDPE)	4
TK.170581.25001	25 lt PLS (HDPE)	1

### Talcum (Powder)

Mg<sub>3</sub>Si<sub>4</sub>O<sub>10</sub>(OH)<sub>2</sub>

- M = 375,27 g/mol
- CAS [14807-96-6]
- EC 238-877-9
- Store at 15C° .... +25C°

Silicium Oxide(SiO <sub>2</sub> )	>=60,0%
Magnesium Oxide	>=30,0%
Aluminium Oxide	<=0,5%
Calcium Oxide	<=0,5%
Iron Oxide	<=0,2%
Sodium Oxide	<=0,1%
Potassium Oxide	<=0,05%
Loss on Ignition	<=6,5%
Brightness	>=95,0%
Soluble in acid	<=0,5%
pH	7,0-9,0
Moisture	<=0,5%

Product Code	Package Type	Quantity in Box
TK.201070.00502	500 Gr SQR (HDPE)	18
TK.201070.05004	5 kg SQR (HDPE)	4
TK.201070.25006	25 kg Nylon in box	1

### Tannic Acid (Tannin), Extra Pure

C<sub>76</sub>H<sub>52</sub>O<sub>46</sub>

- M = 1701,22 g/mol
- Melting : 200 C
- CAS [1401-55-4]
- EC 215-753-2
- Store at 15C° .... +25C°

Assay(Tannins)	>= 73,0%
Non Tannins	<= 19,0%
Loss on Drying(105 C)	<= 8,0 %
Ash	<= 6,25%
pH	4,9-5,1

Product Code	Package Type	Quantity in Box
TK.201783.00502	500 Gr SQR (HDPE)	18
TK.201783.05004	5 kg SQR (HDPE)	4
TK.201783.25006	25 kg Nylon in box	1

### DL - Tartaric Acid, Extra Pure



- M = 150,09 g/mol
- Melting: 198-204 C
- CAS [87-69-4]
- EC 205-105-7
- Store at 15C° .... +25C°

Assay	>= 99,5%
Sulfate (SO4)	<= 0,05%
Arsenic(As)	<= 0,0002%
Heavy metals (as Pb)	<= 0,001%
Loss on Drying	<= 0,5%
Ignition Residue	<= 0,1%
Melting Range	200-206 C

#### CLASSIFICATION: ATTENTION

H319 P262 - P305+P351+P338



#### Product Code

TK.201080.01002  
TK.201080.05004  
TK.201080.25006

#### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

#### Quantity in Box

18  
4  
1

### Tetrahydrofuran Analytic, ACS Grade



- M = 72.11 g/mol
- CAS [109-99-9]
- EC 203-726-8
- UN 2056
- ADR: 3 II
- Store at 15C° .... +25C°

Boiling point	65 - 66 °C (1013 hPa)
Density	0.89 g/cm3 [20 °C]
Explosion limit	1.5 - 12.4 %(V)
Flash point	-21.5 °C
Melting Point	-108.5 °C
pH value	7 - 8 [200 g/l, H <sub>2</sub> O, 20 °C]
Vapor pressure	173 hPa [20 °C]
Assay (GC):	Min 99.0%
Colour (APHA):	20 Max.
Peroxides[H2O2]:	0.015% Max.
Residue after evaporation:	0.03% Max.
Water:	0.05% Max.

#### CLASSIFICATION: DANGER

H225 - H302 + H319 + H335 - H351 - EUH019 - P210 - P240  
P305 + P351 + P338 - P308 + P313 - P403 + P233



#### Product Code

TK.930154.01000  
TK.930154.01001  
TK.930154.02500  
TK.930154.02501  
TK.930154.05001  
TK.930154.25001

#### Package Type

1 lt GLS bottle  
1 lt PLS (HDPE)  
2,5 lt GLS bottle  
2,5 lt PLS bottle  
5 lt PLS (HDPE)  
25 lt PLS (HDPE)

#### Quantity in Box

6  
12  
4  
6  
2  
1

### Thiourea, Extra Pure



- M = 76,11 g/mol
- Melting: 169 - 173 C
- CAS [62-56-6]
- UN 3077
- EC 200-543-5
- ADR: 9, III
- Store at 15C° .... +25C°

Assay	>= 99,0%
Sulfated Ash	<= 0,1%
Insoluble in Water	<= 0,02%
Loss on Drying	<= 0,5%
pH (%5,H2O,20 C)	6,0-8,0

#### CLASSIFICATION: ATTENTION

H302 - H351 - H361d - H411 P273 - P308+P313



#### Product Code

TK.190612.01002  
TK.190612.05004  
TK.190612.25006

#### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

#### Quantity in Box

18  
4  
1

### Thymol Blue Indicator



- M = 466.59 g/mol
- CAS [76-61-9]
- EC 200-973-3
- Store at 15C° .... +25C°

Melting Point	221 °C (decomposition)
Bulk density	350 kg/m3
Solubility	0.11 g/l
pH transition range [1.2 - 2.8]:	Violet red to Brownish yellow
pH transition range [8.0 - 9.2]:	Greenish yellow to blue
Sensitivity:	Passes test
Loss on drying,110øC:	3.00% max

#### Product Code

TK.930155.00102  
TK.930155.00252  
TK.930155.00502  
TK.930155.01002

#### Package Type

100 Gr SQR (HDPE)  
250 Gr SQR (HDPE)  
500 Gr SQR (HDPE)  
1 kg SQR (HDPE)

#### Quantity in Box

1-36  
1-36  
1-36  
18

### Titanium (IV) Oxide, Extra Pure

- TiO<sub>2</sub>
- M = 79,90 g/mol
  - Melting: 1855 C
  - CAS [13463-67-7]
  - EC 236-675-5
  - Store at +5C° .... +30C°

Colour L*(CIE Lab)	>=99,20
Colour A*(CIE Lab)	-0,9-(-0,30)
Colour B*(CIE Lab)	1,6-2,8
Carbon Black Opacity	10,0-14,0
Hegman Thickness	>=7,0
Hegman Finish	>=4,0
Alkyd Gloss (20 ° C)	>=60,0
Oil absorption	13,0-20,0 gr/100 ml
pH	7,3-9,5
Resistance (30 C)	>=4,0

Product Code	Package Type	Quantity in Box
TK.920094.01002	1 kg SQR (HDPE)	18
TK.920094.05004	5 kg SQR (HDPE)	4
TK.920094.25006	25 kg Nylon in box	1

### Triton X-100 for Biochemistry

- C<sub>14</sub>H<sub>21</sub>-[C<sub>2</sub>H<sub>4</sub>O]<sub>10</sub>-OH
- M = 118.09 g/mol
  - CAS [9036-19-5]
  - UN 3082
  - ADR: 9 III
  - Store at 15C° .... +25C°

Solubility:	Miscible with water.
pH[1% aq soln]:	6.0-8.0
Wt. per ml, 20°C:	1.064-1.067g
Assay (iodometric):	min.98.0 %
Water:	0.2% max.

Product Code	Package Type	Quantity in Box
TK.930156.01000	1 lt GLS bottle	6
TK.930156.02500	2,5 lt GLS bottle	4

### Toluene, ACS Grade

- C<sub>7</sub>H<sub>8</sub>
- M = 92,14 g/mol
  - Boiling: 110-111 C
  - CAS [108-88-3]
  - UN 1294
  - EC 203-625-9
  - ADR: 3, II
  - Store at 15C° .... +25C°

Assay	>= 99,5%
Colour (APHA)	<= 10
Residue after evaporation	<= 0,001 %
Substances darkened by Sulfuric acid	Passes test
Sulfur compounds (as S)	<= 0,003 %
Water	<= 0,03 %

#### Ultraviolet Spectrophotometry

Wavelength (nm)	
350-400	Max 0.01 AU
335	Max 0.02 AU
310	Max 0.05 AU
300	Max 0.10 AU
293	Max 0.20 AU
288	Max 0.50 AU
286	Max 1,00 AU

#### CLASSIFICATION: ATTENTION

H225 - H304 - H315 - H336 - H361d - H373 P210 - P240 - P301+P330+P331 - P302+P352 - P314 - P403+P233



Product Code	Package Type	Quantity in Box
TK.911021.01000	1 lt GLS bottle	6
TK.911021.02500	2,5 lt GLS bottle	4
TK.911021.05003	5 lt PLS (COEX)	4

### Toluene, Extra Pure

- C<sub>7</sub>H<sub>8</sub>
- M = 92,14 g/mol
  - Boiling: 110-111 C
  - CAS [108-88-3]
  - UN 1294
  - EC 203-625-9
  - ADR: 3, II
  - Store at 15C° .... +25C°

Purity(G.C)	>= 99,5%
Density (20 C)	0,86-0,87 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0005 meq/gr
Water(K.F)	<=0,1%
Colour (Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: ATTENTION

H225 - H304 - H315 - H336 - H361d - H373 P210 - P240 - P301+P330+P331 - P302+P352 - P314 - P403+P233



Product Code	Package Type	Quantity in Box
TK.170590.01000	1 lt GLS bottle	6
TK.170590.02500	2,5 lt GLS bottle	4
TK.170590.05003	5 lt PLS (COEX)	4
TK.170590.25001	25 lt PLS (HDPE)	1
TK.170590.25003	25 lt IRN Iron	1



### Tri-Calcium Phosphate, Extra Pure

$C_3O_8P_2$

- M = 310,18 g/mol
- Melting: 1670 C
- CAS [7758-87-4]
- EC 231-840-8
- Store at +5C° .... +30C°

Assay(Ca)	35,0-40,0%
Chloride(Cl)	<= 0,2%
Sulfate(SO4)	<= 0,5%
Iron(Fe)	<= 0,5%
Lead(Pb)	<= 0,0001%
Arsenic(As)	<= 0,0001%
Heavy Metals(Pb)	<= 0,0005%
Titration Value	13,0-14,3
Insoluble in Acid	<= 0,1%
Loss on Ignition(800 C)	<= 8,0%
pH (%10,H2O,20 C)	5,0-7,5

#### Product Code

TK.201810.00502  
TK.201810.05004  
TK.201810.25006

#### Package Type

500 Gr SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

#### Quantity in Box

18  
4  
1

### Trichloroethylene, Extra Pure

$C_2HCl_3$

- M = 131,79 g/mol
- Melting: -86 C
- Boiling: 87 C
- CAS [79-01-6]
- UN 1710
- EC 201-167-4
- ADR: 6.1, III
- Store at 15C° .... +25C°

Purity(G.C)	>= 99,5%
Density	1,46-1,47 g/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0003 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: ATTENTION

H350 - H315 - H319 - H341 - H412 P201 - P273 - P302+P352 - P305+P351+P338 - P308+P313



#### Product Code

TK.180600.01000  
TK.180600.02500  
TK.180600.05003  
TK.180600.25001  
TK.180600.25003

#### Package Type

1 lt GLS bottle  
2,5 lt GLS bottle  
5 lt PLS (COEX)  
25 lt PLS (HDPE)  
25 lt IRN Iron

#### Quantity in Box

6  
4  
4  
1  
1

### Triethanolamine (TEA), Extra Pure

$C_6H_{15}NO_3$

- M = 149,19 g/mol
- Melting: 21 C
- Boiling: 360 C
- CAS [102-71-6]
- EC 202-049-8
- Store at 15C° .... +25C°

Assay	>= 85,0%
Density(20 C)	1,12-1,16 gr/cm <sup>3</sup>
Diethanolamine	<= 10,8%
Water	<= 0,2%
Colour(Pt-Co)	<= 40

#### Product Code

TK.800500.01001  
TK.800500.02500  
TK.800500.02501  
TK.800500.05001  
TK.800500.25001

#### Package Type

1 lt PLS (HDPE)  
2,5 lt GLS bottle  
2,5 lt PLS bottle  
5 lt PLS (HDPE)  
25 lt PLS (HDPE)

#### Quantity in Box

12  
4  
6  
4  
1

### Urea, Extra Pure

$CH_4N_2O$

- M = 60,06 g/mol
- Melting: 132,5 - 134,5 C
- CAS [57-13-6]
- EC 200-315-5
- Store at 15C° .... +25C°

Assay(as N)	>= 44,0%
Biurea	<= 1,5%
Formaldehyde	<= 0,2%
Moisture	<= 0,7%
pH(%10 H2O,20 C)	8,0-9,0

#### Product Code

TK.190610.01002  
TK.190610.05004  
TK.190610.25006

#### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)  
25 kg Nylon in box

#### Quantity in Box

18  
4  
1

### Vaseline - LIQUID (Pharma Grade), Extra Pure

- Store at 15C° .... +25C°

Density (20 C)	0,810-0,875 gr/cm <sup>3</sup>
Dynamical viscosity (20 C)	25,0-80,0 mPa.s
Kinetic Viscosity(40 C)	11,0-18,0 cSt.
Absorption(240-280 nm)	<=0,1
Appearance	Clear

#### Product Code

TK.200630.01001  
TK.200630.02501  
TK.200630.05001  
TK.200630.25001

#### Package Type

1 lt PLS (HDPE)  
2,5 lt PLS bottle  
5 lt PLS (HDPE)  
25 lt PLS (HDPE)

#### Quantity in Box

12  
6  
4  
1

## Laboratory Chemicals

### Vaseline - SOLID (Paraffin 53-58°C), Extra Pure

- Melting: 53 - 58 C
- Store at 15C° .... +25C°

Melting range	53,0-58,0 C
Cone Penetration	>= 130 1/10 mm
Kinetik Viscosity(100 C)	5,2-5,5 cSt
Colour(Lovibond)	<= 0,5 Y
Acidity or Alkalinity	Conforms BP2011
Aromatic Hydrocarbons	Conforms BP2010

#### Product Code

TK.200620.01004  
TK.200620.05004

#### Package Type

1 kg SQR (HDPE)  
5 kg SQR (HDPE)

#### Quantity in Box

18  
4

### Water Distilled, Extra Pure

- H<sub>2</sub>O
- M = 18,02 g/mol
  - Boiling: 100 C
  - CAS [7732-18-5]
  - EC 231-791-2
  - Store at 15C° .... +25C°

Density (20 C)	0,99-1,01 gr/cm <sup>3</sup>
Conductivity	<= 10 µS
pH(20 C)	6,0-8,0
Boiling point	~100 C
Freezing point	~ 0 C
Dynamic Viscosity(20 C)	~1,00 mPa.s
Colour	Colorless
Odour	Odorless

#### Product Code

TK.920047.01001  
TK.920047.02501  
TK.920047.05001

#### Package Type

1 lt PLS (HDPE)  
2,5 lt PLS bottle  
5 lt PLS (HDPE)

#### Quantity in Box

12  
6  
4

### Water Ultra Pure for High-performance liquid chromatography (HPLC Grade)

- H<sub>2</sub>O
- M = 18,02 g/mol
  - Boiling: 100 C
  - CAS [7732-18-5]
  - EC 231-791-2
  - Store at 15C° .... +25C°

Colour (Pt-Co)	Colorless
Odour	Odorless
Conductivity	< 1 us/cm
Chloride (Cl)	< 0,1 ppm
Nitrate (NO <sub>3</sub> )	< 0,1 ppm
Sulphate (SO <sub>4</sub> )	< 0,1 ppm
Iron (Fe)	< 0,1 ppm
Cobalt (Co)	< 0,1 ppm
Lead (Pb)	< 0,1 ppm
Copper (Cu)	< 0,02 ppm
Nickel (Ni)	< 0,02 ppm
Appearance	Suitable

#### Product Code

TK.911010.01000  
TK.911010.02500

#### Package Type

1 lt GLS bottle  
2,5 lt GLS bottle

#### Quantity in Box

6  
4

\*Filtered by 0,2 micron.

### Xylene (mixture of isomers), Extra Pure

- C<sub>8</sub>H<sub>10</sub>
- M = 106,17 g/mol
  - Boiling: 137-143 C
  - CAS [1330-20-7]
  - UN 1307
  - EC 215-535-7
  - ADR: 3, III
  - Store at 15C° .... +25C°

Xylene isomers (G.C)	>= 99,5%
Density (20 C)	0,860-0,870 gr/cm <sup>3</sup>
Acidity	<= 0,0005 meq/gr
Alkalinity	<= 0,0003 meq/gr
Water(K.F)	<= 0,1%
Colour(Pt-Co)	<= 10
Appearance	Clear

#### CLASSIFICATION: HAZARDOUS

H226 - H304 - H312+H332 - H315 - H335 - H373  
P210 - P301+P330+P331 - P302+P352 - P314



#### Product Code

TK.090270.01000  
TK.090270.02500  
TK.090270.05003  
TK.090270.25001  
TK.090270.25003

#### Package Type

1 lt GLS bottle  
2,5 lt GLS bottle  
5 lt PLS (COEX)  
25 lt PLS (HDPE)  
25 lt IRN Iron

#### Quantity in Box

6  
4  
4  
1  
1

### Xylene (mixture of isomers), ACS Grade

- $C_8H_{10}$
- M = 106,17 g/mol
  - Boiling: 137-143 C
  - CAS [1330-20-7]
  - UN 1307
  - EC 215-535-7
  - ADR: 3, III
  - Store at 15C° .... +25C°

Assay	>= 98,5%
Colour(APHA)	<= 10
Residue after evaporation	<= 0,002 %
Substances darkened by Sulfuric acid	Passes test
Sulfur compounds (as S)	<= 0,003 %
Water	<= 0,03 %

#### CLASSIFICATION: HAZARDOUS

H226 - H304 - H312+H332 - H315 - H335 - H373  
P210 - P301+P330+P331 - P302+P352 - P314



Product Code	Package Type	Quantity in Box
TK.911020.01000	1 lt GLS bottle	6
TK.911020.02500	2,5 lt GLS bottle	4
TK.911020.05003	5 lt PLS (COEX)	4

### Xylenol Orange, Analytic Grade

- $C_{31}H_{28}N_2Na_4O_{13}S$
- M = 760,59 g/mol
  - CAS [3618-43-7]
  - EC 222-805-8
  - Store at 15C° .... +25C°

pH value	8.1 (10 g/l, H <sub>2</sub> O, 20 °C)
Bulk density	250 kg/m <sup>3</sup>
Solubility	510 g/l

Product Code	Package Type	Quantity in Box
TK.930157.00102	100 Gr SQR (HDPE)	1-36
TK.930157.00252	250 Gr SQR (HDPE)	1-36
TK.930157.00502	500 Gr SQR (HDPE)	1-36
TK.930157.01002	1 kg SQR (HDPE)	18

### Zinc Acetate Dihydrate, Extra Pure

- $(CH_3COO)_2Zn \cdot 2H_2O$
- M = 219,49 g/mol
  - Melting: 237 C
  - CAS [5970-45-6]
  - UN 3077
  - EC 209-170-2
  - ADR: 9, III
  - Store at +5C° .... +30C°

Assay	>= 98,0%
Zinc(Zn)	>= 30,0%
Insoluble in Water	<= 0,5%
Moisture	<= 2,0%
pH [%5,H2O,20 C]	4,5-7,0

#### CLASSIFICATION: ATTENTION

H302 - H410 P262 - P273



Product Code	Package Type	Quantity in Box
TK.201799.01002	1 kg SQR (HDPE)	18
TK.201799.05004	5 kg SQR (HDPE)	4
TK.201799.25006	25 kg Nylon in box	1

### Zinc Chloride, Extra Pure

- $ZnCl_2$
- M = 136,28 g/mol
  - Melting: 290 C
  - CAS [7646-85-7]
  - UN 2331
  - EC 231-592-0
  - ADR: 8, III
  - Store at +5C° .... +30C°

Assay	>= 98,0 %
Zinc Oxide(ZnO)	<= 0,3 %
Iron(Fe)	<= 0,001%
Lead(Pb)	<= 0,001%
Cadmium(Cd)	<= 0,001%
pH [%10,H2O,20 C]	4,0-6,0

#### CLASSIFICATION: HAZARDOUS

H302 - H314 - H410 P273 - P280 - P301+P330+P331  
P305+P351+P338 - P308+P310



Product Code	Package Type	Quantity in Box
TK.800000.01002	1 kg SQR (HDPE)	18
TK.800000.05004	5 kg SQR (HDPE)	4
TK.800000.25006	25 kg Nylon in box	1

### Zinc (metal) Dust 325 Mesh, Extra Pure

Zn

- M = 65.37 g/mol
- CAS [7440-66-6]
- EC 231-175-3
- UN 3077
- ADR: 9 III
- Store at 15C° .... +25C°

Boiling point 908 °C (1013 hPa)  
 Density 7.14 g/cm3 (20 °C)  
 Ignition temperature 460 °C  
 Melting Point 420 °C  
 Vapor pressure 1.33 hPa (487 °C)  
 Bulk density 1800 - 2700 kg/m3  
 Assay: min.99.00%  
 Particle size ,325 mesh: min.90%  
 Iron(Fe): 0.01% max  
 Reducing substances(kmno4): 0.003% max

#### CLASSIFICATION: HAZARDOUS

H410 - P273



Product Code	Package Type	Quantity in Box
TK.930158.01002	1 kg SQR (HDPE)	18
TK.930158.05004	5 kg SQR (HDPE)	4
TK.930158.25006	25 kg Nylon in box	1

### Zinc Nitrate Hexahydrate, Extra Pure

Zn(NO<sub>3</sub>)<sub>2</sub>·6H<sub>2</sub>O

- M = 297,51 g/mol
- Melting: ~ 36 C
- CAS [10196-18-6]
- UN 1514
- EC 231-943-8
- ADR: 5.1, II
- Store at 15C° .... +25C°

Assay >= 98,0%  
 Zinc >=21,0%  
 pH(5 %,H2O,20 C) ~ 5,0

#### CLASSIFICATION: HAZARDOUS

H272 - H302 - H315 - H319 - H335  
 P220 - P261 - P305+P351+P338



Product Code	Package Type	Quantity in Box
TK.920085.01002	1 kg SQR (HDPE)	18
TK.920085.05004	5 kg SQR (HDPE)	4
TK.920085.25006	25 kg Nylon in box	1

### Zinc Oxide, Extra Pure

ZnO

- M = 81,37 g/mol
- Melting: ~ 1975 C
- CAS [1314-13-2]
- EC 215-222-5
- Store at +5C° .... +30C°

Assay >= 99,5%  
 Iron(Fe) <= 0,002%  
 Lead(Pb) <= 0,003%  
 Copper(Cu) <= 0,0001%  
 Manganese(Mn) <= 0,0001%  
 Loss on Drying(105 C) <= 0,3%  
 Loss on Ignition(850 C) <= 0,4%  
 Insoluble in Acid <= 0,002%  
 pH(5 %,H2O,20 C) 7,0-8,0

#### CLASSIFICATION: ATTENTION

H410 P273



Product Code	Package Type	Quantity in Box
TK.030110.00502	500 Gr SQR (HDPE)	18
TK.030110.05004	5 kg SQR (HDPE)	4
TK.030110.25006	25 kg Nylon in box	1

### Zinc Sulfate Heptahydrate, Extra Pure

ZnSO<sub>4</sub>·7H<sub>2</sub>O

- M = 287,54 g/mol
- Melting: ~ 100 C
- CAS [7446-20-0]
- UN 3077
- EC 231-793-3
- ADR: 9, III
- Store at +5C° .... +30C°

Assay >= 97,0%  
 Zinc(Zn) >= 20,0%  
 Iron (Fe) <= 0,2 %  
 Lead(Pb) <= 0,0001%  
 Manganese(Mn) <= 0,0001%  
 pH(5%,H2O,20 C) ~ 4,0-6,0

#### CLASSIFICATION: HAZARDOUS

H302 - H318 - H410 P273 - P280 - P305+P351+P338 - P313



Product Code	Package Type	Quantity in Box
TK.030120.01002	1 kg SQR (HDPE)	18
TK.030120.05004	5 kg SQR (HDPE)	4
TK.030120.25006	25 kg Nylon in box	1

### Acetic Acid Solution

CH<sub>3</sub>COOH

- Store at 15C° .... +25C°

Product Code	Package Type	Specs.
TK.400049.01001	1 Lt	0,1N
TK.400050.01001	1 Lt	1 N
TK.400051.01001	1 Lt	5 N
TK.400052.01001	1 Lt	1%
TK.400053.01001	1 Lt	3%
TK.400054.01001	1 Lt	5%

### Aceto Orcein Solution

- Store at 15C° .... +25C°

Product Code	Package Type
TK.400057.00101	100 ml

### Acetocarmine Solution

- Store at 15C° .... +25C°

Product Code	Package Type
TK.400056.00101	100 ml

### Acetone Alcohol

- UN 1993
- ADR: 3, II
- Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H225-H319-H336 P210-P233-P305+P351-P338-P403+P235



Product Code	Package Type
TK.400055.00101	100 ml

### Acide Alcohol

CLASSIFICATION: HAZARDOUS

H225 P210



Product Code	Package Type
TK.400058.00101	100 ml
TK.400058.00501	500 ml

### Alcian Blue pH 2,5 Solution

Appearance	Appearance: Bluish black solution
Absorption maxima in water	615 nm ±5nm
pH at 25°C	about 2.5
Suitability for microscopy	Passes test
• Store at 15C° .... +25C°	

Product Code	Package Type
TK.930165.00501	500 ml
TK.930165.01001	1 Lt

### Ammonia Solution

- NH<sub>3</sub>  
 M=17,03 g/mol  
 CAS No 1336-21-6  
 EC No 215-647-6  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H315-H318-H412  
 P280-P305+P351+P338



Product Code	Package Type	Specs.
TK.400035.01001	1 lt	0,1 N
TK.400036.01001	1 lt	1 N

### Ammonia % 10 Solution

- NH<sub>3</sub>  
 M=17,03 g/mol  
 CAS No 1336-21-6  
 EC No 215-647-6  
 • UN 2672  
 • ADR: 8, III  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H314-H315-H400-H412-  
 P261-P273-P280  
 P305+P351+P338-P310



Product Code	Package Type
TK.400038.01001	1 Lt

## Solutions and Indicators

### Ammonia Solution % 9,7

NH<sub>3</sub>  
 M=17,03 g/mol  
 CAS No 1336-21-6  
 EC No 215-647-6  
 • UN 2672  
 • ADR: 8, III  
 • Store at 15C° .... +25C°

Assay: 9,70 %

CLASSIFICATION: HAZARDOUS

H314-H315-H400-  
 H412-P261-P273-P280-  
 P305+P351+P338-P310



Product Code

TK.400037.00051

Package Type

50 ml

### Ammonium Chloride % 10 Solution

H<sub>2</sub>O  
 • Store at 15C° .... +25C°

Assay: %10  
 pH: 4,5-5,5 50 g/l

CLASSIFICATION: HAZARDOUS

H302-H319-  
 P305+P351+P338



Product Code

TK.400043.01001

Package Type

1 Lt

### Ammonium Chloride % 25 Solution

H<sub>2</sub>O  
 • Store at 15C° .... +25C°

Assay: 25%  
 pH: 4,5-5,5 50 g/l

CLASSIFICATION: HAZARDOUS

H302-H319-  
 P305+P351+P338



Product Code

TK.400044.01001

Package Type

1 Lt

### Ammonium Dihydrogen Phosphate (Saturated) Solution

Product Code

TK.400042.01001

Package Type

1 Lt

### Ammonium Iron (II) Sulfate 0,1 N Solution

• UN 3264  
 • ADR: 8, III  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H290-H314



Product Code

TK.400039.01001

Package Type

1 Lt

### Ammonium Iron (III) Sulfate 0,1 N Solution

• UN 3264  
 • ADR: 8, III  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H290-H314



Product Code

TK.400040.01001

Package Type

1 Lt

### Ammonium Iron (III) Sulfate % 40 Solution

• UN 2031  
 • ADR: 8, II  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H290-H315-H319-  
 P305+P351+P338



Product Code

TK.400041.01001

Package Type

1 Lt

Assay: % 40

### Ammonium Thiocyanate Solution

- Store at 15C° .... +25C°

Product Code	Package Type	Specs.
TK.400046.01001	1 Lt	0,1N
TK.400047.01001	1 Lt	1N

### ARB Staining Kit (Ziehl Neelsen)

- Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS  
H225-P310



Product Code	Package Type
TK.400048.01001	1 Lt

### Barium Chloride Solution

BaCl<sub>2</sub>

- Store at 15C° .... +25C°

Product Code	Package Type	Specs.
TK.400066.01001	1 Lt	0,1N
TK.400067.01001	1 Lt	0,1M
TK.400068.01001	1 Lt	0,5M
TK.400069.01001	1 Lt	%10

### Benedict Solution

- UN 3082
- ADR: 9, III
- Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS  
H319-H411-P273-  
P305+P351+P338



Product Code	Package Type
TK.400070.00101	100 ml
TK.400070.01001	1 Lt

### Biuret Solution

- Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS  
H319-H411-P273-  
P305+P351+P338



Product Code	Package Type
TK.400071.00101	100 ml
TK.400071.00501	500 ml

### Boric Acid % 3 Solution

H<sub>3</sub>B<sub>3</sub>

- M = 61,84 g/mol
- Melting: 185 C
- CAS [10043-35-3]
- EC 233-139-2
- Store at +5C° .... +30C°

Assay % 3

Product Code	Package Type
TK.400072.01001	1 Lt

### Boric Acid % 4 Solution

H<sub>3</sub>B<sub>3</sub>

- M = 61,84 g/mol
- Melting: 185 C
- CAS [10043-35-3]
- EC 233-139-2
- Store at +5C° .... +30C°

Assay: % 4

Product Code	Package Type
TK.400073.01001	1 Lt



## Solutions and Indicators

### Boric Acid % 4 Solution (indicator)

$H_3BO_3$   
 • M = 61,84 g/mol  
 • Melting: 185 C  
 • CAS [10043-35-3]  
 • EC 233-139-2  
 • Store at +5C° .... +30C°  
 Assay 4%

Product Code

TK.400074.01001

Package Type

1 Lt

### Boss Solution

• Store at 15C° .... +25C°

Product Code

TK.400075.00101

Package Type

100 ml

### Bouin's Solution

Appearance Solution  
 Colour Transparent  
 • Store at 15C° .... +25C°

CLASSIFICATION: DANGER

H290-H302-H315-H319-H335-H341-H350  
 P201-P280-P301+P312+P330-P305+P351+P338-  
 P308+P313



Product Code

TK.930171.00501  
 TK.930171.01001

Package Type

500 ml  
 1 Lt

### Bromocresol Green Indicator Solution

• UN 1170  
 • ADR: 3, II  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H225-P210-P233-  
 P240-P403+P235



Product Code

TK.400076.00051  
 TK.400076.00101  
 TK.400076.01001

Package Type

50 ml  
 100 ml  
 1 Lt

### Bromocresol Green-Methyl Red (Misch indicator 4.5)

Methyl Red  $C_{15}H_{15}N_3O_2$   
 • M = 269.3 g/mol  
 Bromocresol Green C21H14Br4O5S  
 • M = 698,02 g/mol

CLASSIFICATION: DANGEROUS

H225-P210-P-233-P240- P403+P235



Product Code

TK.400197.00101

Package Type

100 ml

### Bromocresol Purple Indicator Solution

• Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS

H226



Product Code

TK.400077.00051  
 TK.400077.00101  
 TK.400077.01001

Package Type

50 ml  
 100 ml  
 1 Lt

### Bromophenol Blue Indicator Solution

- Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS

H226



#### Product Code

TK.400078.00051  
TK.400078.00101  
TK.400078.01001

#### Package Type

50 ml  
100 ml  
1 Lt

### Bromothymol Blue Indicator Solution

- Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS

H226



#### Product Code

TK.400079.00051  
TK.400079.00101  
TK.400079.01001

#### Package Type

50 ml  
100 ml  
1 Lt

### Calcium Acetate 0.25M

- Store at 15C° .... +25C°

#### Product Code

TK.400170.01001

#### Package Type

1 Lt

### Calgon Carboxylic Acid Indicator Solution

- Store at 15C° .... +25C°

#### Product Code

TK.400080.00051

#### Package Type

50 ml

### Calcium Chloride Solutions

CaCl<sub>2</sub>

- M = 110,98 g/mol
- CAS: 7647-01-0
- EC: 231-595-7

CLASSIFICATION: DANGEROUS

H290



#### Product Code

TK.400171.01001  
TK.400172.01001

#### Package Type

1 Lt  
1 Lt

#### Specs.

0.1N  
0.25M

### Capstorge Solution

- Store at 15C° .... +25C°

#### Product Code

TK.400082.01001

#### Package Type

1 Lt

### Carbol Fuchsin

Components

Phenol

- CAS: 108-95-2
- EC: 203-632-7

Ethanol

- CAS: 64-17-5

Flash point: 58°C

CLASSIFICATION: DANGEROUS

H226-H314-H332-  
H341-P280-P310-  
P305+P351+P338



#### Product Code

TK.400173.00101  
TK.400173.00251  
TK.400173.00501  
TK.400173.01001

#### Package Type

100 ml  
250 ml  
500 ml  
1 Lt

## Solutions and Indicators

### Carez (I) Solution

- UN 3082
- ADR: 9, III
- Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS  
H411-P273-P262



Product Code

TK.400083.00501

Package Type

500 ml

### Carez (II) Solution

- UN 3082
- ADR: 9, III
- Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS  
H411-  
P273-P262

Product Code

TK.400084.00501

Package Type

500 ml

### Carnoy's Solution

Appearance: Solution  
Colour: Transparent

- UN 1888
- ADR 3,[6.1] II
- Store at 15C° .... +25C°

CLASSIFICATION: DANGER  
H302-H315-H319-H335-H341-H350-P201-P280  
P301 + P312 + P330-P305 + P351 + P338 -  
P308+P313



Product Code

TK.930172.00501  
TK.930172.01001

Package Type

500 ml  
1 Lt

### Cerium (IV) Sulfate

CeO<sub>8</sub>S<sub>2</sub>  
• M = 332.24 g/mol

CLASSIFICATION:HAZARDOUS  
H314-P280-P310-  
P305+P351+P338



Product Code

TK.400289.01001

Package Type

1 Lt

### Chromic Acid % 5 Solution

Chromium trioxide  
• CAS: 1333-82-0

CLASSIFICATION: DANGEROUS  
H350-H340-H314-H317-H332-H334-H335-  
H373-H412-P201-P273-P280-P302+P352-  
P309+P310



Product Code

TK.400177.01001

Package Type

1 Lt

### Chromazural S Indicator

- Store at 15C° .... +25C°

Product Code

TK.400085.00051

Package Type

50 ml

### Citric Acid % 10

C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> · H<sub>2</sub>O  
• M: 210,14 g/mol  
• CAS: 5949-29-1  
• EC: 201-069-1

CLASSIFICATION: ATTENTION  
H319 P305+P351+P338



Product Code

TK.400290.01001

Package Type

1 Lt

### Conductivity Calibration Solution

15-84-100-140-500-892-1000-1413-5000-10000-12880-111000  $\mu\text{s-cm}$

**Product Code**

TK.400159.01001

**Package Type**

1 Lt

### Congo Red Indicator Solution

• Store at 15C° .... +25C°

**Product Code**

TK.400088.00051  
TK.400088.00101

**Package Type**

50 ml  
100 mL

### Copper (II) Chloride Solution

$\text{CuCl}_2$

- UN 2802
- ADR: 8, III
- Store at 15C° .... +25C°

**CLASSIFICATION:HAZARDOUS**

H302-H315-H319-H410+P273 P302+P352+P305+P351+P338



**Product Code**

TK.400060.01001  
TK.400061.01001  
TK.400062.01001

**Package Type**

1 Lt  
1 Lt  
1 Lt

**Specs.**

1%  
5%  
10%

### Copper (II) Sulfate Solution

$\text{CuSO}_4$

- UN 3082
- ADR: 9, III
- Store at 15C° .... +25C°

**CLASSIFICATION:HAZARDOUS**

H411-P273



**Product Code**

TK.400063.01001  
TK.400064.01001  
TK.400065.01001

**Package Type**

1 Lt hdpe  
1 Lt hdpe  
1 Lt hdpe

**Specs.**

0,005 M  
0,05M  
0,25M

### Cowarsky Indicator Solution

• Store at 15C° .... +25C°

**Product Code**

TK.400175.00101

**Package Type**

100 ml

### Crystal Violet

- CAS: 548-62-9
- EC: 208-953-6

**CLASSIFICATION: DANGEROUS**

H319-H351-H411



**Product Code**

TK.400176.00101  
TK.400176.00501  
TK.400176.01001

**Package Type**

100 ml  
500 ml  
1 Lt

### Decolorizer Solution

• Store at 15C° .... +25C°

**Product Code**

TK.400092.00101

**Package Type**

100 ml

### Dimethyl Yellow Solution

• Store at 15C° .... +25C°

**Product Code**

TK.400098.00051

**Package Type**

50 ml

## Solutions and Indicators

### Dimethylglyoxime Solution

- UN 1170
- ADR: 3, II
- Store at 15C° .... +25C°

CLASSIFICATION: DANGEROUS  
H225-P210-P233-P240-P403+P235



#### Product Code

TK.400099.00051

#### Package Type

50 ml

### Diphenylamine Solution

- Store at 15C° .... +25C°

#### Product Code

TK.400100.00051

#### Package Type

50 ml

### Diphenylamine-4-Sulfonic Acide Barium Salt

- Store at 15C° .... +25C°

#### Product Code

TK.400101.00101

#### Package Type

100 ml

### E.D.T.A B Solution

- Store at 15C° .... +25C°

#### Product Code

TK.400107.01001

#### Package Type

1 Lt

### E.D.T.A C Solution

- Store at 15C° .... +25C°

#### Product Code

TK.400108.01001

#### Package Type

1 Lt

### E.D.T.A Solution (Titriplex III)

- $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
- M = 372,24 g/mol
  - Store at 15C° .... +25C°

#### Product Code

TK.400102.01001  
TK.400103.01001  
TK.400104.01001  
TK.400105.01001  
TK.400106.01001

#### Package Type

1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt

#### Specs.

0,01 M(0,02N)  
0,01N  
0,02 M  
0,1 M  
0,1 N(0,05 M)

### Ehrlich Solution

- UN 1789
- ADR: 8, II
- Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS  
H290-H314-H335-P280-P301+P330+P331  
P304+P340-P305+P351+P338+309+P310



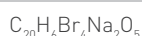
#### Product Code

TK.400110.00101  
TK.400110.01001

#### Package Type

100 ml  
1 Lt

### Eosine Yellow Solution



- Store at 15C° .... +25C°

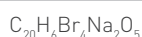
#### Product Code

TK.400109.00101  
TK.400109.01001

#### Package Type

100 ml  
1 Lt

### Eosine Yellow Solution % 0,5 in water



- Appearance: Brownish red solution  
Suitability for tissue staining: Passes test  
Absorption maxima: 515 – 518 nm  
Absorbance A (? max ;diluted ) 1:2000; 1 cm: 0.260-0.340
- Store at 15C° .... +25C°

#### Product Code

TK.930166.00501  
TK.930166.01001

#### Package Type

500 ml  
1 Lt

### Eosine Yellow Solution % 1 in ethanol



- Store at 15C° .... +25C°

#### Product Code

TK.930167.00501  
TK.930167.01001

#### Package Type

500 ml  
1 Lt

### Eosine Yellow Solution Stock Solution



- Store at 15C° .... +25C°

#### Product Code

TK.930168.00501  
TK.930168.01001

#### Package Type

500 ml  
1 Lt

### Eriochrome Black T Solution

- UN 1170
- ADR: 3, II
- Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H225-P210-P233+P240-P403+P235



#### Product Code

TK.400111.00101

#### Package Type

1 Lt

### Erythrocyte Solution

#### Product Code

TK.400113.00101  
TK.400113.01001

#### Package Type

100 ml  
1 Lt

### Ether-Alcohol

- Store at 15C° .... +25C°

CLASSIFICATION: DANGEROUS

H224-H302-H336-P210-P261-EUH019-EUH066



#### Product Code

TK.400114.01001

#### Package Type

1 Lt

### Ezn Color Staining Kit (Methylene Blue, Fuchsin, Acid Alcohol)

Component

Phenol

- CAS: 108-95-2
- EC: 203-632-7

Ethanol

- CAS: 64-17-5

CLASSIFICATION: DANGEROUS

H226-H314-H332-H341-P280-P305+P351+P338-P310



#### Product Code

TK.400115.00501

#### Package Type

500 ml

### Fehling A (Medical)

Component

Copper (II) Sulfate

- CAS: 7758-98-7
- EC: 231-847-6

CLASSIFICATION: DANGEROUS

H410-P273-P501



#### Product Code

TK.400116.00251  
TK.400116.01001

#### Package Type

250 ml  
1 Lt

## Solutions and Indicators

### Fehling A-1 (invert sugar) (Food)

Component  
Copper(II) Sulfate  
• CAS: 7758-98-7  
• EC: 231-847-6

CLASSIFICATION: DANGEROUS  
H410-P273-P501



#### Product Code

TK.400118.00251  
TK.400118.01001

#### Package Type

250 ml  
1 Lt

### Fehling B (Medical)

Component  
Sodium hydroxide  
• CAS: 1310-73-2  
• EC: 215-185-5

CLASSIFICATION: DANGEROUS  
H314-P280-  
P305+P351+P338-P310



#### Product Code

TK.400117.00251  
TK.400117.01001

#### Package Type

250 ml  
1 Lt

### Fehling B-1 (invert sugar) (Food)

Component  
Sodium hydroxide  
• CAS: 1310-73-2  
• EC: 215-185-5

CLASSIFICATION: DANGEROUS  
H314-P280-  
P305+P351+P338-P310



#### Product Code

TK.400119.00251  
TK.400119.01001

#### Package Type

250 ml  
1 Lt

### Ferroun Indicator Solution

Component  
1,10-Phenanthroline hydrochloride  
• CAS: 3829-86-5  
• EC: 223-325-1

CLASSIFICATION: DANGEROUS  
H411-P273



#### Product Code

TK.400125.00051

#### Package Type

50 ml

### Fluorescein Indicator Solution

#### Product Code

TK.400126.00101

#### Package Type

100 ml

### Formaldehyde - Alcoholic Solution

Appearance                      Solution  
Colour                              Transparent  
• Store at 15C° .... +25C°

#### Product Code

TK.930170.00501  
TK.930170.01001  
TK.930170.05001

#### Package Type

500 ml  
1 Lt  
5 Lt

### Formaldehyde - Acetic Acid Solution

Appearance                      Solution  
Colour                              Transparent  
• Store at 15C° .... +25C°

#### Product Code

TK.930169.00501  
TK.930169.01001  
TK.930169.05001

#### Package Type

500 ml  
1 Lt  
5 Lt

### Fouchet's Reagent

{0,1 - 0,3 - 0,5 - 1,0 - 3,0 - 5,0}

#### Product Code

TK.400129.00251

#### Package Type

250 ml

### Fuchsin Solutions (in alcohol) %1

• Store at 15C° .... +25C°

#### Product Code

TK.400130.00101

#### Package Type

100 ml



### Fuchsin with Water Solution

Appearance	Liquid
Colour	Dark red
Odour	Odourless
Relativistic density	0.998 g/cm <sup>3</sup> 20C

#### Product Code

TK.400328.00101  
TK.400328.00501  
TK.400328.01001

#### Package Type

100 ml  
500 ml  
1 Lt

### Gentian Violet Solution

Component	C.I. Basic violet 3
	• M: 407,98 g/mol
	• CAS: 548-62-9
	• EC: 208-953-6

#### CLASSIFICATION: DANGEROUS

H226-H319-H351-H411-P273-P281 P305+P351+P338



#### Product Code

TK.400168.00101  
TK.400168.01001

#### Package Type

100 ml  
1 Lt

### Glass Cleaner Solution

- UN 2240
- ADR: 8, I
- Store at 15C° .... +25C°

#### CLASSIFICATION: HAZARDOUS

H350-H340-H314-H317-H332-H334-H335-H373-H412-P201-P273-P280-P302+P352-P305+P351+P338-P309+P310



#### Product Code

TK.400081.01001

#### Package Type

1 Lt

### Gram Staining Kit ( Crystal Violet, Fuchsin, Lugol, Decoloriser, Safranin)

Form	Liquid
Color	Colorless
Odor	Alcohol
pH	7.0 10g/L 20°C
Melting point	-114,5 °C
Boiling point	78,3 °C 1.013 hPa
Flash point	12 °C Method: c.c.
Density	0,790 - 0,793 g/cm <sup>3</sup> 20 °C

#### CLASSIFICATION: DANGEROUS

H225-P210-P233-P240-P403+P235



#### Product Code

TK.400137.00101

#### Package Type

100 ml

### Greis Hoffray (for Nitrite)

#### Product Code

TK.400138.00101

#### Package Type

100 ml

### Harris Hematoxylin

Appearance	A dark violet coloured solution
Suitability for staining	Passes test
	• Store at 15C° .... +25C°

#### Product Code

TK.930160.00501  
TK.930160.01001

#### Package Type

500 ml  
1 Lt

### Hayem Solution for Counting (of erythrocytes)

- UN 2024
- ADR: 6.I
- Store at 15C° .... +25C°

#### CLASSIFICATION: DANGEROUS

H411-P273



#### Product Code

TK.400140.00101  
TK.400140.00501

#### Package Type

100 ml  
500 ml

## Solutions and Indicators

### Hemoglobin Solution

Density	1,00 g/cm <sup>3</sup> 20 °C
pH	1,2 20 °C
Form	Liquid
Odor	Odorless

#### Product Code

TK.400141.00101  
TK.400141.01001

#### Package Type

100 ml  
1 Lt

### Hyamine Solution

Component	Benzethonium chloride %0.25
	• CAS: 121-54-0
	• EC: 204-479-9

#### Product Code

TK.400157.01001  
TK.400158.01001

#### Package Type

1 Lt  
1 Lt

#### Specs.

0.004M  
0.005M

### Hydrochloric Acid

HCl	
	• CAS: 7647-01-0

Form	Liquid
Color	Colorless
Odor	Pungent odor
Melting point	-70 °C
Boiling point	107 °C 1.013 hPa

#### CLASSIFICATION: DANGEROUS

H290-H314-H335-P280-P301+P330+P331-P304+P340+P305+P340-P305+P351+P338+P309+P310



#### Product Code

TK.400143.01001  
TK.400144.01001  
TK.400145.10001  
TK.400146.01001  
TK.400147.01001  
TK.400148.01001  
TK.400149.01001  
TK.400150.01001  
TK.400151.01001  
TK.400152.01001  
TK.400153.01001  
TK.400154.01001  
TK.400155.01001

#### Package Type

1 Lt  
1 Lt  
10 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt  
1 Lt

#### Specs.

0.01N  
0.1N  
0.1N  
0.2N  
0.5N  
1N  
4N  
6N  
%1  
%10  
%15  
%25  
%30

### Hydrogen Peroxide % 3 (Catalase Reagent)

H <sub>2</sub> O <sub>2</sub>	
	• M = 34,01 g/mol
	• CAS: 7722-84-1
	• EC: 231-765-0

#### Product Code

TK.400142.01001

#### Package Type

1 Lt

### Hydroxylamine Hydrochloride % 10

Component	Methanol
	• CAS: 67-56-1
	• EC: 200-659-6

Hydroxylamine hydrochloride	
	• CAS: 5470-11-1
	• EC: 226-798-2

#### CLASSIFICATION: DANGEROUS

H225-H301-H312-H317-H370-H332  
P210-P260-P280-P301+P310



#### Product Code

TK.400156.01001

#### Package Type

1 Lt

### Indicator B Solution

Component	Phenolphthalein
	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>
	• M: 318,32 g/mol
	• CAS: 77-09-8
	• EC: 201-004-7

#### CLASSIFICATION: DANGEROUS

H341-H350-P201-P281-P308



#### Product Code

TK.400160.01001

#### Package Type

1 Lt

### Indigo Carmine

C <sub>16</sub> H <sub>8</sub> N <sub>2</sub> Na <sub>2</sub> O <sub>8</sub> S <sub>2</sub>	
	• M: 466.35 g/mol
	• CAS: 860-22-0
	• UN 3264
	• ADR: 8
	• Store at 15C° .... +25C°

Density	1.01 g/mL at 20 °C
Refractive index	n <sub>20/D</sub> 1.335

#### CLASSIFICATION: DANGEROUS

H290



#### Product Code

TK.400161.00101

#### Package Type

100 ml

### Iodine Monobromide (Hanus) Solution

Components  
Iodine monobromide  
• CAS: 7789-33-5  
• EC: 232-159-9

Acetic acid  
• CAS: 64-19-7  
• EC: 200-580-7

CLASSIFICATION: DANGEROUS

H226-H314-H290-P210-P280-P301+P330+P331-P305+P351+P338-P309+P310



Product Code

Package Type

TK.400167.01001

1 Lt

### Iodine Solutions

I<sub>2</sub>  
• M: 253.81 g/mol  
• CAS: 7553-56-2

CLASSIFICATION: DANGEROUS

H315-H319-H372  
P305 + P351 + P338-P314



Product Code

Package Type

Specs.

TK.400162.01001	1 Lt	0.01N
TK.400163.01001	1 Lt	N/64
TK.400164.01001	1 Lt	0.02N (0.01M)
TK.400165.01001	1 Lt	0.05N
TK.400166.01001	1 Lt	0.1N (0.05M)

### Iron (II) Sulfate Solution 0,1 N

• Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS

H315-H319-P305+P351+P338



Product Code

Package Type

TK.400097.01001

1 Lt

### Iron (III) Chloride Solution

FeCl<sub>3</sub>

• UN 2582  
• ADR: 8, III  
• Store at 15C° .... +25C°

CLASSIFICATION:HAZARDOUS

H-290-H302-H315-H318  
P280-P302+P352-P305+P351+P338



Product Code

Package Type

Specs.

TK.400093.01001	1 Lt	0,2 M
TK.400094.01001	1 Lt	0,25 M
TK.400095.01001	1 Lt	1N
TK.400096.01001	1 Lt	10%

### Kovac's Indol

C<sub>9</sub>H<sub>11</sub>NO  
• M: 149.19 g/mol  
• CAS: 100-10-7

CLASSIFICATION:HAZARDOUS

H226-H314-H332-H335 P261-  
P280-P310-P305+P351+P338



Product Code

Package Type

TK.400174.00101

100 ml

### Lactophenol Cotton Blue

Components  
Phenol  
• CAS: 108-95-2  
• EC: 203-632-7

L-(+)-Lactic acid  
• CAS: 79-33-4  
• EC: 201-196-2

CLASSIFICATION: DANGEROUS

H302-H314-H331-H341-  
H373-H412  
P261-P273-P280-P310  
P305 + P351 + P338



Product Code

Package Type

TK.400179.00101

100 ml

## Solutions and Indicators

### Lead Acetate % 20 Solution

- M = 443.37 g/mol
- CAS: 546-67-8

Appearance	Liquid
Melting Point	175 °C
Boiling Point	decomposes
Density	2.22g/cm <sup>3</sup>

**CLASSIFICATION: DANGEROUS**

H302-H332-H360Df-H373-H410

**Product Code**

TK.400178.01001

**Package Type**

1 Lt

### Leukocyte Solution

Components

- Acetic acid
- CAS: 64-19-7
- EC: 200-580-7

**Product Code**

TK.400180.00101  
TK.400180.01001

**Package Type**

100 ml  
1 Lt

### Luff Solution

Components

- Sodium carbonate
- CAS: 497-19-8
- EC: 207-838-8
- Citric acid
- CAS: 77-92-9
- EC: 201-069-1
- Copper sulphate
- CAS: 7758-98-7
- EC: 231-847-6

**CLASSIFICATION: DANGEROUS**

H318-H411-P273-P280  
P305 + P351 + P338



**Product Code**

TK.400181.01001

**Package Type**

1 Lt

### Lugol

Components

- Iodine
- M = 253,81 g/mol
- CAS: 7553-56-2
- EC: 231-442-4

**CLASSIFICATION: DANGEROUS**

H312-H332-H400  
P273-P280-P302/352-P312-P362-P501



**Product Code**

TK.400182.00101  
TK.400182.01001

**Package Type**

100 ml  
1 Lt

### Magnesium Sulfate Solution

MgSO<sub>4</sub>

- M = 120,37 g/mol

**Product Code**

TK.400184.01001  
TK.400185.01001

**Package Type**

1 Lt  
1 Lt

**Specs.**

0,01M  
%10

### Malachite Green Solution

Form	Liquid
Color	Dark Green
Turbidity	Clear
Performance	Conforms

**Product Code**

TK.400186.00101

**Package Type**

100 ml

### Mangan Sulfate 1M

MnO<sub>4</sub>S · H<sub>2</sub>O

- CAS: 10034-96-5
- EC: 232-089-9



**Product Code**

TK.400187.01001

**Package Type**

1 Lt

### Mannitol (for Boric acid determination)

**Product Code**

TK.400183.01001

**Package Type**

1 Lt

### May Grunwald

Methanol  
 • CAS: 67-56-1  
 • EC: 200-659-6

Monopropylene glycol methyl ether  
 • CAS: 107-98-2  
 • EC: 203-539-1

**CLASSIFICATION: DANGEROUS**  
 H225-H301 + H311 + H331-H370-  
 P210-P260-P280-P311-P301 + P310



#### Product Code

TK.400188.00101  
 TK.400188.00501

#### Package Type

100 ml  
 500 ml

### Mayer Hematoxylin

Appearance Red-brown solution  
 Suitability for staining Passes test  
 • Store at 15C° .... +25C°

#### Product Code

TK.930161.00501  
 TK.930161.01001

#### Package Type

500 ml  
 1 Lt

### M-Cresol Purple Solution Ph:(1.2-2.8) & (7.4-9)

$C_{21}H_{18}O_5S$   
 • M = 382.43 g/mol

Form Liquid  
 Flash point 38 °C



#### Product Code

TK.400189.00051

#### Package Type

50 ml

### Mercury (II) Chloride Solution

• Store at 15C° .... +25C°

#### Product Code

TK.400086.01001  
 TK.400087.01001

#### Package Type

1 Lt hdpe  
 1 Lt hdpe

#### Specs.

%4  
 %5

### Methyl Orange Indicator Solution

Form Liquid  
 Colour Orange  
 Odour Odorless  
 pH ca.6 20C  
 Relative density 1,00 g/cm<sup>3</sup> 20 °C  
 Solubility in water 20C Soluble

#### Product Code

TK.400193.00051  
 TK.400193.00101  
 TK.400193.01001

#### Package Type

50 ml  
 100 ml  
 1 Lt

### Methyl Red Indicator

Methyl red  $C_{15}H_{15}N_3O_2$   
 • M = 269.3 g/mol

#### Product Code

TK.400194.00051  
 TK.400194.00101  
 TK.400194.01001

#### Package Type

50 ml  
 100 ml  
 1 Lt

### Methylene Blue Solutions

$C_{16}H_{18}ClN_3S$   
 • M = 319,85 g/mol

Methylthionium chloride  
 • CAS: 7220-79-3  
 • EC: 200-515-2

**CLASSIFICATION:HAZARDOUS**  
 H225-P210



#### Product Code

TK.400190.00101  
 TK.400190.00251  
 TK.400190.00501  
 TK.400190.01001  
 TK.400191.00101  
 TK.400191.01001  
 TK.400192.00101  
 TK.400192.01001

#### Package Type

100 ml  
 250 ml  
 500 ml  
 1 Lt  
 100 ml  
 1 Lt  
 100 ml  
 1 Lt

#### Specs.

Saturated solv.in alcohol  
 Saturated solv.in alcohol  
 Saturated solv.in alcohol  
 Saturated solv.in alcohol  
 Solution in water  
 Solution in water  
 Anionactive  
 Anionactive

## Solutions and Indicators

### Mix Acid Indicator

Components  
Sulfuric acid  
H<sub>2</sub>SO<sub>4</sub>  
• M = 98,08 g/mol  
Dimidium bromide  
C<sub>20</sub>H<sub>18</sub>BrN<sub>3</sub>  
• M = 320,18 g/mol  
Crystal violet  
C<sub>27</sub>H<sub>31</sub>N<sub>2</sub>NaO<sub>6</sub>S<sub>2</sub>  
• M = 566,67 g/mol

CLASSIFICATION: DANGEROUS  
H290



#### Product Code

TK.400195.00101  
TK.400195.01001

#### Package Type

100 ml  
1 Lt

### Molybdate Reagent

• UN 2796  
• ADR: 8

CLASSIFICATION: DANGEROUS  
H290-H314-P280-P303+P361+P353-  
P304+P340 + P310-P305 + P351+P338



#### Product Code

TK.400196.01001

#### Package Type

1 Lt

### Murexide Mix Reactor

Component  
Ammonium purpurate  
C<sub>8</sub>H<sub>8</sub>N<sub>6</sub>O<sub>6</sub>  
• M = 284,19 g/mol

Appearance Solid  
Melting point > 300 °C - lit

#### Product Code

TK.400198.00025

#### Package Type

25 gr

### Nessler Reactive

Component  
Potassium hydroxide (>= 10 % - < 20 % )  
• CAS: 1310-58-3

Potassium tetraiodomercurate (>= 1 % - < 2 % )  
• CAS: 7783-33-7

Appearance Liquid  
Color Light yellow

CLASSIFICATION: DANGEROUS  
H290-H301+H311-H314-H373-H412-P273-P280-P301  
+ P330 + P331 + P302 + P352-P305 + P351 + P338  
P309 + P310



#### Product Code

TK.400199.00101  
TK.400199.00501

#### Package Type

100 ml  
500 ml

### Neutral Red

C<sub>15</sub>H<sub>17</sub>ClN<sub>4</sub>  
• M = 288,78 g/mol  
• CAS: 553-24-2

Appearance Liquid  
pH 6.8 - 5.4  
Flash point 38 °C

CLASSIFICATION: DANGEROUS  
H226



#### Product Code

TK.400213.00051

#### Package Type

50 ml

### Neutralin Formalin

Relative Density 1.32 @ 20C  
pH 7.2 (10% in water)  
Melting/Freezing Point (oC) 132-135C

#### Product Code

TK.400214.01001

#### Package Type

1 Lt

### Nickel Solution ( %9.7 Ammonia , Dimethylglyoxim)

C<sub>4</sub>H<sub>8</sub>N<sub>2</sub>O<sub>2</sub>  
• M = 116,11 g/mol  
Component  
Ethanol  
• CAS: 64-17-5  
• EC: 200-578-6

CLASSIFICATION: DANGEROUS  
H225 P210-P233-P240-P403 + P235



#### Product Code

TK.400200.00001

#### Package Type

Pieces

### Nickel Sulfate

- $\text{NiSO}_4$
- M = 262.89 g/mol
  - CAS: 10101-97-0
  - EC: 232-104-9

Density 2.07 g/cm<sup>3</sup>  
 Melting Point 53 °C  
 Boiling Point 100 °C

**CLASSIFICATION: DANGEROUS**  
 H302-H315-H317-H332-H334-  
 H341-H350i-H360D-H372-H410

Product Code	Package Type	Specs.
TK.400201.01001	1 Lt	0.05M
TK.400202.01001	1 Lt	0.5M

### Nitric Acid Solutions

- $\text{HNO}_3$
- M = 63,01 g/mol
  - CAS: 7697-37-2
  - EC: 231-714-2

Form Liquid  
 Odour Pungent  
 Color Colourless  
 Solubility in water 20 °C  
 Boiling point 121 °C  
 Melting point -32 °C

**CLASSIFICATION: HAZARDOUS**  
 H314 P280-P305 + P351 + P338-P310



Product Code	Package Type	Specs.
TK.400205.01001	1 Lt	0.1N
TK.400206.10001	10 Lt	0.1N
TK.400207.01001	1 Lt	1N
TK.400208.01001	1 Lt	6M
TK.400209.01001	1 Lt	%10
TK.400210.01001	1 Lt	%25
TK.400211.01001	1 Lt	%30
TK.400212.01001	1 Lt	33%

### O-Toluidine Solution

- $\text{C}_{14}\text{H}_{16}\text{N}_2$
- M = 212,29 g/mol

Component Hydrochloric acid  
 • CAS: 7647-01-0  
 • EC: 231-595-7  
 4,4'-Bi-o-toluidine  
 • CAS: 119-93-7  
 • EC: 204-358-0

**CLASSIFICATION: DANGEROUS**  
 H314-H335-H350-P201-P261-P280-P310  
 P305 + P351 + P338



Product Code	Package Type
TK.400215.00101	100 ml
TK.400215.01001	1 Lt

### Oxalic Acid

- $\text{C}_2\text{H}_2\text{O}_4$
- M = 90,03 g/mol
  - CAS: 144-62-7
  - EC: 205-634-3

Form Liquid  
 Color Colourless  
 Vapour pressure < 0,01 hPa 20 °C  
 Relative density 1,9 g/cm<sup>3</sup> 25 °C

**CLASSIFICATION: DANGEROUS**  
 H318-P280-P305 + P351 + P338



Product Code	Package Type	Specs.
TK.400216.01001	1 Lt	0.01N
TK.400217.01001	1 Lt	0.1N
TK.400218.01001	1 Lt	1N

### Pan Indicator

- Store at 15C° .... +25C°

Product Code	Package Type
TK.400219.00051	50 ml

### Pandy

Component Phenol  
 • CAS: 108-95-2  
 • EC: 203-632-7

Form Liquid  
 Vapour pressure 1,01 g/cm<sup>3</sup>

**CLASSIFICATION: DANGEROUS**  
 H301-H311-H314-H330-H341-H373-P260-P280-P284  
 P301+P310+P305+P351+P338-P310



Product Code	Package Type
TK.400220.00101	100 ml



## Solutions and Indicators

### Papanicolaou EA 50 Solution

Appearance

- UN 1170
- ADR 3 II
- Store at 15C° .... +25C°

CLASSIFICATION: DANGER

H319-H371-P260-P280-P305+P351+P338



Product Code

TK.930162.00501  
TK.930162.01001

Package Type

500 ml  
1 Lt

### Papanicolaou EA 65 Solution

Appearance

- UN 1170
- ADR 3 II
- Store at 15C° .... +25C°

CLASSIFICATION: DANGER

H319-H371-P260-P280-P305+P351+P338



Product Code

TK.930163.00501  
TK.930163.01001

Package Type

500 ml  
1 Lt

### Papanicolaou OG 6 Solution

Appearance

- Store at 15C° .... +25C°

CLASSIFICATION: DANGER

H225-H302-H319-H371-P260-P280-P305 + P351 + P338



Product Code

TK.930163.00501  
TK.930163.01001

Package Type

500 ml  
1 Lt

### Perchloric Acid 0.1N

HClO<sub>4</sub>

- M = 100,46 g/mol
- CAS: 7601-90-3
- EC: 231-512-4

Components

Acetic acid

- CAS: 64-19-7
- EC: 200-580-7

Acetic anhydride

- CAS: 108-24-7
- EC: 203-564-8

Perchloric acid

- CAS: 7601-90-3
- EC: 231-512-4

CLASSIFICATION: DANGEROUS

H226-H314  
P280-P305 + P351 + P338-P310



Product Code

TK.400222.01001

Package Type

1 Lt

### Ph Buffer Solutions

Appearance Colorless Liquid

Form Liquid

Color Colourless

pH 1-10 25°C

Boiling point 100 °C 1.013 hPa

**CLASSIFICATION: DANGEROUS**  
 H314-H315-H400 P261-P273-P280-P310  
 P305 + P351 + P338



Product Code	Package Type	Specs.
TK.400349.00501	500 ml	PH:1.00
TK.400350.00501	500 ml	PH:2.00
TK.400351.00501	500 ml	PH:3.00
TK.400352.00501	500 ml	PH:4.00
TK.400353.01001	1 Lt	PH:4.2 (Acetic Acid)
TK.400354.00501	500 ml	PH:5.00
TK.400355.00501	500 ml	PH:6.00
TK.400356.00501	500 ml	PH:7.00
TK.400357.00501	500 ml	PH:8.00
TK.400358.00501	500 ml	PH:9.00
TK.400359.00501	500 ml	PH:10.00
TK.400360.00501	500 ml	PH:11.00
TK.400361.00501	500 ml	PH:12.00
TK.400362.00501	500 ml	PH:13.00
TK.400363.00501	500 ml	PH:10.00(Ammonia)

### Phenol Red Indicator Solution

$C_{19}H_{14}O_5S$   
 • M = 354,38 g/mol

Form Liquid

Flash point 38 °C

**CLASSIFICATION: DANGEROUS**  
 H226



Product Code	Package Type
TK.400120.00051	50 ml
TK.400120.00101	100 ml
TK.400120.01001	1 Lt

### Phenolphthalein Indicator Solution

Components  
 Pheolphthalein  
 • CAS: 77-09-8  
 • EC: 201-004-7  
 Methanol  
 • CAS: 67-56-1  
 • EC: 200-659-6

**CLASSIFICATION: DANGEROUS**  
 H225-H226-H350-H341-H370  
 P210-P260-P280-P301 + P310



Product Code	Package Type	Specs.
TK.400121.00051	50 ml	%1
TK.400122.00101	100 ml	%1
TK.400123.01001	1 Lt	%1
TK.400124.01001	1 Lt	%2

### Phosphoric Acid 0.1N

Components  
 Phosphoric acid  
 • CAS: 7664-38-2  
 • EC: 231-633-2  
 Water  
 • CAS: 7732-18-5  
 • EC: 231-791-2

Product Code	Package Type
TK.400128.01001	1 Lt

### Potassium Bromate 0.1N

$KBrO_3$   
 • M = 167,00 g/mol  
 • CAS: 7758-01-2  
 • EC: 231-829-8

Form: Liquid

**CLASSIFICATION: DANGEROUS**  
 H350-P201-P308 + P313



Product Code	Package Type
TK.400223.01001	1 Lt

## Solutions and Indicators

### Potassium Bromide 0.1N

KBr  
 • M = 119,00 g/mol  
 • CAS: 7758-02-3  
 • EC: 231-830-3

Product Code

TK.400224.01001

Package Type

1 Lt

### Potassium Bromide-Bromate 0.1N

KBrO<sub>3</sub>  
 • M = 167,00 g/mol  
 Component  
 Potassium bromate  
 • CAS: 7758-01-2  
 • EC: 231-829-8

CLASSIFICATION: DANGEROUS

H350-P201-P308 + P313



Product Code

TK.400225.01001

Package Type

1 Lt

### Potassium Chloride Solution

KCl  
 • CAS: 7447-40-7

Molar mass 74.5513 g·mol<sup>-1</sup>  
 Form Liquid  
 Odor Odourless

Product Code

TK.400260.01001  
 TK.400261.01001  
 TK.400262.00101  
 TK.400263.01001

Package Type

1 Lt  
 1 Lt  
 100 ml  
 1 Lt

Spects.

0.01M  
 0.1M  
 3M  
 3M

### Potassium Chromate

• CAS: 7789-00-6  
 • EC: 232-140-5

Form Liquid  
 Color Dark yellow  
 Relative density 1 g/cm<sup>3</sup>

CLASSIFICATION: DANGEROUS

H317-H340-H350i-H411

P201-P273-P280-P308 + P313



Product Code

TK.400264.01001  
 TK.400265.00101  
 TK.400266.01001  
 TK.400267.00101  
 TK.400268.01001

Package Type

1 Lt  
 100 ml  
 1 Lt  
 100 ml  
 1 Lt

Spects.

0.1N  
 %5  
 %5  
 %10  
 %10

### Potassium Dichromate Solutions

Cr<sub>2</sub>K<sub>2</sub>O<sub>7</sub>  
 • M = 294,18 g/mol  
 • CAS: 7778-50-9  
 • EC: 231-906-6

Form Liquid  
 Color Orange  
 Odor Odourless  
 pH 3,8 20 °C  
 Relative density 1,01 g/cm<sup>3</sup> 20 °C  
 Solubility in water Soluble @ 20 °C

CLASSIFICATION: DANGEROUS

H301-H310+H330-H315-H319- H340-H350-H360FD-H373-H410

P201-P273-P280-P302 + P352 P304 + P340-P309 + P310



Product Code

TK.400226.01001  
 TK.400227.01001  
 TK.400228.01001  
 TK.400229.01001  
 TK.400230.01001  
 TK.400231.01001

Package Type

1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt

Spects.

0.1N  
 0.25N  
 0.0167M (Mercury sulf)  
 1N  
 %5  
 %10

### Potassium Ferricyanide (K3) % 10

K<sub>3</sub>Fe(CN)<sub>6</sub>

• CAS: 13746-66-2  
 • EC: 237-323-3

CLASSIFICATION: ATTENTION

H302, H312, H332, EUH032 P261, P280, P304+P340, P312

Product Code

TK.400233.01001

Package Type

1 Lt

### Potassium Ferrocyanide (K4) % 10

K<sub>4</sub>[Fe(CN)<sub>6</sub>].3H<sub>2</sub>O  
 • M = 422,39 g/mol  
 • EC: 237-722-2

Form Liquid  
 Color Yellow  
 Solubility in water Soluble @ 20 °C

CLASSIFICATION: DANGEROUS

H412

Product Code

TK.400232.01001

Package Type

### Potassium Fluoride %10

KF  
 • M = 58,10 g/mol  
 • CAS: 7789-23-3  
 • EC: 232-151-5

Form Liquid  
 Boiling point 1.505 °C

**CLASSIFICATION: DANGEROUS**  
 H301 + H311 + H331  
 P280-P301 + P310-P311



#### Product Code

TK.400234.01001

#### Package Type

1 Lt

### Potassium Hydroxide Solutions

KOH  
 Potasyum hidroksit (>= 30 % - < 35 % )  
 • CAS: 1310-58-3

Form Liquid  
 pH ca. 14 20 °C  
 Relative density 1,05 g/cm<sup>3</sup> 20 °C  
 Solubility in water Soluble @ 20 °C  
 Color Colourless

**CLASSIFICATION: DANGEROUS**  
 H314-H290 P280-P301 +  
 P330 + P331 + P305 + P351 +  
 P338-P309 + P310



#### Product Code

TK.400235.01001  
 TK.400236.01001  
 TK.400237.01001  
 TK.400238.01001  
 TK.400239.01001  
 TK.400240.01001  
 TK.400241.01001  
 TK.400242.01001  
 TK.400243.01001  
 TK.400244.01001  
 TK.400245.01001  
 TK.400246.01001

#### Package Type

1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt

#### Specs.

0.01N  
 0.1N  
 0.5N  
 1N  
 %1  
 %5  
 %10  
 %15  
 %20  
 %32  
 %40  
 %50

### Potassium Hydroxide (Alcohol)

Component  
 Potasyum hidroksit (>= 5% - < 10 % )  
 • CAS: 1310-58-3  
 • EC: 215-181-3

Form Liquid  
 pH ca. 14 20 °C  
 Melting point -114,5 °C (Ethanol)  
 Boiling point 78,3 °C (Ethanol)  
 Flash point 12 °C Method: c.c.(Ethanol)  
 Vapour pressure 59 hPa 20 °C (Ethanol)  
 Relative density 0,85 g/cm<sup>3</sup> 20 °C

**CLASSIFICATION: DANGEROUS**  
 H314-H225-H315-H319  
 P210-P280-P301 + P330 + P331  
 P305 + P351 + P338-P309 + P310



#### Product Code

TK.400247.01001  
 TK.400248.01001  
 TK.400249.01001  
 TK.400250.01001

#### Package Type

1 Lt  
 1 Lt  
 1 Lt  
 1 Lt

#### Specs.

0.1N  
 0.2N  
 0.5N  
 1N

### Potassium Hydroxide (IPA)

Component  
 2-propanol (>= 50 % - <= 100 % )  
 • CAS: 67-63-0  
 Potasyum hidroksit (>= 0,5 % - < 1 % )  
 • CAS: 1310-58-3

Form Liquid  
 pH ca. 13 20 °C  
 Flash point 12 °C Method: c.c. (2-Propanol)  
 Relative density 0,79 g/cm<sup>3</sup> 20 °C  
 Solubility in water Soluble @ 20 °C

**CLASSIFICATION: DANGEROUS**  
 H225-H315-H319-H336  
 P210-P233-P302 + P352  
 P305 + P351 + P338-P403 +P235



#### Product Code

TK.400251.01001  
 TK.400252.01001

#### Package Type

1 Lt  
 1 Lt

#### Specs.

0.1N  
 0.5N

### Potassium Iodate

KIO<sub>3</sub>  
 • M = 214 g/mol  
 • CAS: 7758-05-6  
 • EC: 231-791-2

Form Liquid  
 Relative density 1,000 g/cm<sup>3</sup> 20 °C

#### Product Code

TK.400253.01001  
 TK.400254.01001

#### Package Type

1 Lt  
 1 Lt

#### Specs.

0.05M  
 0.1N

### Potassium Iodide

KI  
 • M = 166 g/mol  
 • CAS: 7681-11-0  
 • EC: 231-659-4

Form Liquid  
 Color Colourless  
 Odour Odourless

#### Product Code

TK.400255.01001  
 TK.400256.01001  
 TK.400257.01001

#### Package Type

1 Lt  
 1 Lt  
 1 Lt (Alcohol)

#### Specs.

0.1N  
 %10  
 %5

## Solutions and Indicators

### Potassium Iodide-Iodate

$KIO_3$   
 • M = 214 g/mol  
 $KI$   
 • M = 166 g/mol

Form Liquid  
 Relative density 1,000 g/cm<sup>3</sup> 20 °C

#### Product Code

TK.400258.01001  
 TK.400259.01001

#### Package Type

1 Lt  
 1 Lt

#### Spects.

0.0125N  
 0.005N

### Potassium Nitrate

$KNO_3$   
 • M = 101.10 g/mol  
 • CAS: 7757-79-1  
 • EC: 231-791-2

### Potassium Oxalate

$K_2C_2O_4 \cdot H_2O$   
 • M = 184,24 g/mol  
 • CAS: 6487-48-5  
 • EC: 209-506-8

Form Liquid  
 Color Colourless  
 pH 7,0 - 8,5 50 g/l 20 °C

#### Product Code

TK.400269.01001  
 TK.400270.01001

#### Package Type

1 Lt  
 1 Lt

#### Spects.

0.1N  
 %10

### Potassium Sulfate % 10 Solution

$K_2SO_4$   
 • M = 174.26 g/mol  
 • CAS: 7778-80-5  
 Density 1,056 g/mL at 20 °C  
 Solubility H2O: soluble 0.5 M at 20 °C, clear, colorless  
 pH 5.5-7.5 (20 °C, 0.5 M in H2O)

CLASSIFICATION: DANGEROUS  
 H302+H312 P302 + P352



#### Product Code

TK.400271.01001  
 TK.400272.01001

#### Package Type

1 Lt  
 1 Lt

#### Spects.

%10  
 %30

### Potassium Thiocyanate (Rhodanide)

CKNS  
 • M = 97.18 g/mol  
 • CAS: 333-20-0  
 • EC: 206-370-1

Form Liquid  
 Color Colourless  
 pH 5,3 - 8,7 nin 580 g/l 25 °C  
 Relative density 1,342 g/cm3

CLASSIFICATION: DANGEROUS  
 H302-H312-H331-H412 P261-P273-P280-P311-EUH032



#### Product Code

TK.400273.01001  
 TK.400274.01001  
 TK.400275.01001  
 TK.400276.01001

#### Package Type

1 Lt  
 1 Lt  
 1 Lt  
 1 Lt

#### Spects.

0.1N  
 %1  
 %2  
 %10

### P-Phenylenediamine % 2

$C_6H_4(NH_2)_2$   
 • M = 108,14 g/mol  
 • CAS: 106-50-3  
 • UN 1593  
 • ADR: 6,I  
 Flash point 156 °C

CLASSIFICATION: ATTENTION  
 H315-H319-H335-H336-H351-H373-H412  
 P273-P280-P304 + P340 + P312- P305 + P351 + P338-P337 + P313



#### Product Code

TK.400221.00101  
 TK.400221.00501

#### Package Type

100 ml  
 500 ml

### Redoksmeter calibration Solution (465mV - 225mV)

$K[Fe(CN)]_3 \cdot 3H_2O$   
 Potassium hexacyanoferrate (III) trihydrate (1% - < 2%)

• CAS: 14459-95-1  
 Appearance Liquid

CLASSIFICATION: ATTENTION  
 H412-P273



#### Product Code

TK.400278.01001

#### Package Type

1 Lt

### Reticulocyte Solution

Form	Liquid
Color	Violet
Odour	Odourless
pH	3,7 20 °C
Relative density	1,01 g/cm <sup>3</sup> 20 °C

CLASSIFICATION: ATTENTION  
H412 P273



Product Code

TK.400279.00101

Package Type

100 ml

### Ringer Solution

Appearance	Liquid clear odourless
Composition	
Sodium Chloride <1% .	CAS: [7647-14-5],
Calcium Chloride <1% .	CAS: [10043-52-4],
Magnesium Sulfate <1%.	CAS: [7487-88-9],
Sodium Phosphate, anhydrous, dibasic 1-2%.	CAS: [7558-79-4],
Potassium Chloride <1%.	CAS: [7447-40-7],
Potassium Phosphate <1%.	CAS: [7778-77-0],
Sodium Bicarbonate [144-55-8], <1%.	
Water [7732-18-5], >97%.	

Product Code

TK.400280.01001

Package Type

1 Lt

### Rivalta

Appearance	Liquid
• Store at 15C° .... +25C°	

Product Code

TK.400281.00101

Package Type

100 ml

### Rosalic Acid % 1

C<sub>19</sub>H<sub>16</sub>O<sub>3</sub>  
• M = 290.31 g/mol

Component  
Ethanol  
• CAS: 64-17-5  
• EC: 200-578-6

CLASSIFICATION: DANGEROUS  
H225 P210-P233-P240-P403 + P235



Product Code

TK.400284.00051  
TK.400284.00101

Package Type

50 ml  
100 ml

### Rose Bengal

C<sub>20</sub>H<sub>2</sub>Cl<sub>4</sub>I<sub>4</sub>Na<sub>2</sub>O<sub>5</sub>  
• CAS: 632-69-9  
• EC: 211-183-3

Appearance	Liquid
------------	--------

Product Code

TK.400282.00101

Package Type

100 ml

### Rosin

Component  
I<sub>2</sub>  
Iodine  
• M = 253,8 g/mol  
• CAS: 7553-56-2  
• EC: 231-442-4

Appearance	Liquid
Colour	
Brown	
Odour	Yes
Flash point	14 °C



Product Code

TK.400283.00101  
TK.400283.01001

Package Type

100 ml  
1 Lt

### Safranin Indicator Solution

Appearance	Liquid
Colour	Red
Odour	Alcohol
Relativistic density	0.98 g/cm <sup>3</sup> 20C
Solubility in water	Soluble 20C
Flash point	49 °C

CLASSIFICATION: ATTENTION  
H226



Product Code

TK.400286.00101

Package Type

100 ml

## Solutions and Indicators

### Schlesinger Solution

Appearance Liquid  
 • Store at 15C° .... +25C°

**Product Code**

TK.400288.00101

**Package Type**

100 ml

### Sedimentation test solution (With Lactic acid)

Sarcosylactic acid  
 $C_3H_6O_3$   
 • M = 90,08 g/mol

L-(+)-Lactic acid  
 • CAS: 79-33-4  
 • EC: 201-196-2  
 2-Propanol  
 • CAS: 67-63-0  
 • EC: 200-661-7

**CLASSIFICATION: DANGEROUS**

H226-H315-H318-H336-P210-P261-P280  
 P305 + P351 + P338



**Product Code**

TK.400287.01001  
 TK.400287.05001  
 TK.400287.10001

**Package Type**

1 Lt  
 5 Lt  
 10 Lt

### Silver Nitrate Solutions

$AgNO_3$   
 • M = 169.87 g/mol  
 • UN 3264  
 • ADR: 8  
 • CAS: 7761-88-8

**CLASSIFICATION: DANGEROUS**

H290-H314-H410-P273-P280-P303 + P361 + P353-P304+  
 P340 + P310-P305 + P351 + P338-P391



**Product Code**

TK.400131.01001  
 TK.400132.01001  
 TK.400133.00501  
 TK.400134.01001  
 TK.400135.01001

**Package Type**

1 Lt  
 1 Lt  
 500 ml  
 1 Lt  
 1 Lt

**Specs.**

0.01N  
 0.1N  
 0.1N  
 0.5N  
 %1

### Silver Sulfate (Sulfuric acid) Solution

Components  
 Sulfuric acid  
 • CAS: 7664-93-9  
 • EC: 231-639-5  
 Silver Sulphate  
 • CAS: 10294-26-5  
 • EC: 233-653-7

**CLASSIFICATION: DANGEROUS**

H290-H314-H410 - P273  
 P280-P305 + P351 +  
 P338-P310-P501



**Product Code**

TK.400136.01001

**Package Type**

1 Kg

### Soap Solution

Appearance Liquid  
 First boiling point 78 °C 1.013 hPa  
 Odour Odourless  
 Relative density 0.98 g/cm<sup>3</sup> 20C  
 Solubility in water Soluble 20C  
 Flash point 22 °C closed bottle

**CLASSIFICATION: DANGEROUS**

H225  
 P210



**Product Code**

TK.400285.01001

**Package Type**

1 Lt

### Sodium Acetate 0.25M

$C_2H_3NaO_2$   
 • M = 82.03 g/mol  
 • CAS:127-09-3  
 • EC: 204-823-8  
 • Store at 2-8°C

**Product Code**

TK.400291.01001

**Package Type**

1 Lt

### Sodium Bicarbonate % 10

• CAS: 144-55-8  
 Form Liquid  
 pH 6.8 - 7.4

**Product Code**

TK.400292.01001

**Package Type**

1 Lt



### Sodium Carbonate

Na<sub>2</sub>CO<sub>3</sub>

- M = 105.99 g/mol
- CAS: 497-19-8

Product Code	Package Type	Specs.
TK.400310.01001	1 Lt	%1
TK.400311.01001	1 Lt	%2
TK.400312.01001	1 Lt	%5

### Sodium Chloride 0.1N

NaCl

Appearance Liquid

Product Code	Package Type
TK.400313.01001	1 Lt

### Sodium Chromate % 2

- CAS: 7775-11-3

Appearance Liquid  
 Colour Yellow  
 pH 3.8 20C  
 Relative density 1.01 g/cm<sup>3</sup> 20°C  
 Solubility in water Soluble 20C

CLASSIFICATION: DANGEROUS

H340-H350-H360FD-H300+  
 H330-H312-H315-H319-  
 H373-H412-EUH208



Product Code	Package Type
TK.400314.01001	1 Lt

### Sodium Citrate Solution % 3.8

Concentration 20 mM sodium  
 citrate  
 pH 5.0 (25 °C)  
 Conductivity ~2.5 mS/cm at 20 °C

Product Code	Package Type
TK.400319.00101	100 ml

### Sodium Hydroxide Solutions

NaOH

- CAS: 1310-73-2
- UN 1824
- ADR: 8

Form Liquid  
 Color Colourless  
 pH 13,5 20 °C  
 Relative density 1,01 g/cm<sup>3</sup> 20 °C  
 Solubility in water Soluble 20 °C

CLASSIFICATION: ATTENTION

H290-H314-H315-H319-P280-P303 + P361 + P353-  
 P304 + P340 + P310-P305 + P351 + P338



Product Code	Package Type	Specs.
TK.400293.01001	1 Lt	0.01N
TK.400294.01001	1 Lt	0.1N
TK.400295.10001	10 Lt	0.1N
TK.400296.01001	1 Lt	0.25N
TK.400297.01001	1 Lt	0.5N
TK.400298.01001	1 Lt	1N
TK.400299.01001	1 Lt	2N
TK.400300.01001	1 Lt	4N
TK.400301.01001	1 Lt	5N
TK.400302.01001	1 Lt	6N
TK.400303.01001	1 Lt	%1
TK.400304.01001	1 Lt	%10
TK.400305.01001	1 Lt	%20
TK.400306.01001	1 Lt	%25
TK.400307.01001	1 Lt	%33
TK.400308.01001	1 Lt	%40
TK.400309.10001	10 Lt	%40

### Sodium Lauryl Sulfate

CH<sub>3</sub>(CH<sub>2</sub>)<sub>11</sub>OSO<sub>3</sub>Na  
 • M = 288.38 g/mol  
 • CAS: 151-21-3

Product Code	Package Type	Specs.
TK.400315.01001	1 Lt	0.002M
TK.400316.01001	1 Lt	0.004M

### Sodium Metaperiodate % 1.5

NaIO<sub>4</sub>

- CAS:7790-28-5
- EC: 232-197-6
- M = 213.89 g/mol

Product Code	Package Type
TK.400317.01001	1 Lt

### Sodium Nitrite 0.1N

NaNO<sub>2</sub>

- CAS:7632-00-0
- M = 69.00 g/mol
- UN 3219
- ADR: 5,I

CLASSIFICATION: ATTENTION

H272-H302-H400  
 P220-P273



Product Code	Package Type
TK.400318.01001	1 Lt

## Solutions and Indicators

### Sodium Thiosulfate Solutions

Appearance Liquid  
 Odour Odourless  
 Relative density 1.02 g/cm<sup>3</sup> 20C  
 Solubility in water Soluble 20C  
 • Store at 15C° .... +25C°

#### Product Code

#### Package Type

#### Specs.

TK.400320.01001	1 Lt	0.002N
TK.400321.01001	1 Lt	0.01N
TK.400322.01001	1 Lt	0.05N
TK.400323.01001	1 Lt	0.1N
TK.400324.01001	1 Lt	0.5N
TK.400325.01001	1 Lt	1N

### Sperm Count Solution

Component Phenol  
 • CAS:108-95-2  
 • EC: 232-197-6  
 Appearance White Turbid Liquid  
 Odor Distinct odor  
 Water solubility 100%  
 Vapour density 1,01 g/cm<sup>3</sup>

#### CLASSIFICATION: DANGEROUS

H301-H311-H314-H330-H341-H373  
 P260-P280-P284-P310-P301+ P310-P305+P351+P338



#### Product Code

#### Package Type

TK.400326.00101 100 ml

### Standart Solutions (Gr / Ml / ppm)

• Store at 15C° .... +25C°

#### Product Code

#### Package Type

TK.400348.01001 1 Lt

### Starch-Amidon Solution

• Store at 15C° .... +25C°

#### Product Code

#### Package Type

TK.400203.00101 100 ml  
 TK.400204.01001 1 Lt

### Starch Determine Solution

• CAS:9005-84-9  
 • EC: 232-686-4  
 Form: Liquid  
 Relative density: 1,005 g/cm<sup>3</sup>

#### CLASSIFICATION: DANGEROUS

H225



#### Product Code

#### Package Type

TK.400139.01001 1 Lt

### Sudan (III) Solution

C<sub>22</sub>H<sub>16</sub>N<sub>4</sub>O  
 • M = 352.39 g/mol  
 • CAS: 85-86-9  
 • EC: 201-638-4  
 Component Ethanol  
 • CAS:64-17-5  
 • EC: 200-578-6

#### CLASSIFICATION: DANGEROUS

H225  
 P210-P233-P240-P403 + P235



#### Product Code

#### Package Type

TK.400327.00101 100 ml

### Sulfanilic Acid Indicator Solution

4-(H<sub>2</sub>N)C<sub>6</sub>H<sub>4</sub>SO<sub>3</sub>H  
 • CAS:121-57-3  
 • EC: 121-57-3  
 • M = 173.19 g/mol  
 Form: Liquid

#### CLASSIFICATION: ATTENTION

H317 P280-P333 + P313



#### Product Code

#### Package Type

TK.400329.00101 100 ml

### Sulfosalicylic Acid Solution % 20 (for Albumin)

$C_7H_6O_6 \cdot 2H_2O$   
 • M = 254.21 g/mol  
 • CAS: 5965-83-3  
 • EC: 202-555-6

Appearance                      Liquid  
 Colour                              Light pink  
 Odour                                Odourless

**CLASSIFICATION: ATTENTION**  
 H315-H319  
 P305 + P351 + P338



**Product Code**

TK.400330.00101

**Package Type**

100 ml

### Sulfuric Acid Solutions

$H_2SO_4$   
 • CAS: 7664-93-9  
 • UN: 2796  
 • ADR: 8, II

Form                                      Liquid  
 Colour                                  Colourless  
 Odour                                  Odourless  
 pH                                        ca. 1 20 °C  
 Solubility in water                  Soluble 20 °C  
 Decomposition temperature      ca.338 °C

**CLASSIFICATION: DANGEROUS**  
 H290-H314  
 P280-P301 + P330 + P331  
 P305 + P351 + P338-P309 + P310



**Product Code**

TK.400331.01001  
 TK.400332.01001  
 TK.400333.01001  
 TK.400334.01001  
 TK.400335.01001  
 TK.400336.01001  
 TK.400337.01001  
 TK.400338.01001  
 TK.400339.01001  
 TK.400340.05001  
 TK.400341.01001  
 TK.400342.01001  
 TK.400343.01001  
 TK.400344.01001  
 TK.400345.01001  
 TK.400346.01001  
 TK.400347.01001

**Package Type**

1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 5 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt  
 1 Lt

**Specs.**

0.1N  
 0.25N  
 0.5N  
 1N  
 2N  
 5N  
 d=1.52 g/ml  
 d=1.55 g/ml  
 d=1.82 g/ml  
 d=1.82 g/ml  
 %5  
 %10  
 %20  
 %25  
 %50  
 %60  
 %75

### Tin Chloride Indicator Solution

$SnCl_4$   
 • CAS 7646-78-8  
 Odour                                  Pungent  
 Form                                      Liquid  
 Color                                      Colourless



**Product Code**

TK.400169.00051

**Package Type**

50 ml

### Trichloroacetic Acid

$C_2HCl_3O_2$   
 TCA  
 • M = 163.39 g/mol  
 • CAS 76-03-9  
 • EC 200-927-2  
 Form: Liquid  
 • Store at 15C° .... +25C°

**CLASSIFICATION: HAZARDOUS**  
 H303-H314-H410  
 P273-P280-P305+P351+P338-P310-P501



**Product Code**

TK.400370.00101  
 TK.400371.00101  
 TK.400372.00101  
 TK.400373.00101

**Package Type**

100 ml  
 100 ml  
 100 ml  
 100 ml

**Specs.**

5%  
 20%  
 35%  
 50%

### Zenker's Solution

Appearance: An orange colored clear solution  
 Wt per ml at 20 deg C: About 1.056  
 Suitability test: Passes test  
 • UN 3287  
 • ADR 6.1 II  
 • Store at 15C° .... +25C°  
 Transparent

CLASSIFICATION: WARNING



#### Product Code

TK.930173.00501  
 TK.930173.01001

#### Package Type

500 ml  
 1 Lt

### Zinc Fixative

• Store at 15C° .... +25C°

#### Product Code

TK.930174.00501  
 TK.930174.01001

#### Package Type

500 ml  
 1 Lt

### Zinc Sulfate Solution

• UN 3082  
 • ADR: 9, III  
 • Store at 15C° .... +25C°

CLASSIFICATION: HAZARDOUS

H-319-H412  
 P273-P305-P331-P338



#### Product Code

TK.400090.01001  
 TK.400091.01001

#### Package Type

1 Lt  
 1 Lt

#### Specs.

0,1 N  
 0.25N

## Total area 7400 m<sup>2</sup>



## 2000 m<sup>2</sup> Storage



## 900.000 Bottle Filling Capacity



### Acidity Test Kit

- Store at 15C° .... +25C°

[ 1drop=50ppm ]

**Product Code**

TK.400004.00001

**Package Type**

Box

### Alkalinity Test Kit

Indicator P- Indicator M

for Indicator P

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

for Indicator M

1 drop = 50 ppm

**CLASSIFICATION: HAZARDOUS**

H225-H341-H350  
P201-P210-P233-P281-P308+P313

H226



**Product Code**

TK.400001.00001

**Package Type**

Box

### Ammonium Test Kit

NH4-1 , NH4-2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

[ 0,1 - 0,5 - 1 - 2,5 - 5 - 10 ]

**CLASSIFICATION: HAZARDOUS**

H319  
P305+P351+P338

H301+H311-H314-H412  
P280-P301+P330+P331  
P305+P351+P338  
P309+P310



**Product Code**

TK.400002.00001

**Package Type**

Box

### Arsenic Test Kit

As-I , As-II

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

[ 0,1 - 0,5 - 1 - 1,5 - 3 ]

**CLASSIFICATION: HAZARDOUS**

H410  
P260-P273

H290-H314-H335  
P280-P301+P330+P331  
P305+P351+P338  
P309+P310



**Product Code**

TK.400003.00001

**Package Type**

Box

### Calcium Test Kit

Ca-1 , Ca-2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

[ 1drop=4ppm ]

**CLASSIFICATION: HAZARDOUS**

H290-H314  
P301+P330+P331  
P305+P351+P338- P309+P310



**Product Code**

TK.400008.00001

**Package Type**

Box

### Chloride Test Kit

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

[ 1drop=30ppm ]

**CLASSIFICATION: HAZARDOUS**

H315-H319-H410  
P273-P302+352-P305+P351-P338



**Product Code**

TK.400010.00001

**Package Type**

Box

### Chloride-PhTest Kit

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

Colorimetric

**Product Code**

TK.400009.00001

**Package Type**

Box

## Water Analysis Kits

### Chromate Test Kit

Cr-1 , Cr-2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

{ 0,5 – 1 – 1,5 – 2 }

**CLASSIFICATION: HAZARDOUS**

H290-H314  
P280-P301+P330+P331  
P305+P351+P338- P309+P310

H225-H319-H336-EUH066  
P210-P233-P305-P351-P338



**Product Code**

TK.400011.00001

**Package Type**

Box

### Copper Test Kit

Cu-1 , Cu-2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

{ 1 - 2 - 3 - 5 }

**CLASSIFICATION: HAZARDOUS**

H315-H318-H400  
P273-P280-P305+P51+P338  
H226



**Product Code**

TK.400005.00001

**Package Type**

Box

### Cyanide Test Kit

CN-1 , CN-2 , CN-3

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

{ 0,3 – 0,5 – 1 – 2 – 5 }

**CLASSIFICATION: HAZARDOUS**

H-412-P273  
H318-P280-P305+P351-P338-P313

H226-P-210



**Product Code**

TK.400023.00001

**Package Type**

Box

### Free Chlorine (activated Chlorine) Dpd method Test Kit

Dpd-1 , Dpd-2

- Store at 15C° .... +25C°

{ 0,1 - 0,3 - 0,6 - 1,0 - 1,5 - 2,0 - 3,0 }

**Product Code**

TK.400020.00001

**Package Type**

Box

### Free Chlorine (activated Chlorine) o-toluidine method Test Kit

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

**CLASSIFICATION: HAZARDOUS**

H314-H335-H350-P201-P261-P280  
P305+P351+P338-P310



**Product Code**

TK.400089.00001

**Package Type**

Box

### Iron Test Kit

Fe-A

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

{ 0,3 – 0,5 – 1 – 2,5 – 5 }

**CLASSIFICATION: HAZARDOUS**

H290-H301+H311+H331-H314-H317  
P280-P301+P330+P331-P302+P352  
P304+P340-P305+P351+P338  
P309+P310



**Product Code**

TK.400006.00001

**Package Type**

Box

### Magnesium Test Kit

Mg-1 , Mg-2 , Mg-3

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

Titrimetric

**CLASSIFICATION: HAZARDOUS**

H290-H314  
P280-P301+P330+P331  
P305+P351+P338- P309+P310



**Product Code**

TK.400012.00001

**Package Type**

Box

### Manganese Test Kit

Mn-1 , Mn-2 , Mn-3 ,  
Tit. Sol

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

( 1ml=5ppm )

**CLASSIFICATION: HAZARDOUS**

H302-H314-H335-H400  
P261-P273-P280  
P305-P351-P338-P310



**Product Code**

TK.400013.00001

**Package Type**

Box

### Nitrate Test Kit

N1 , N2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

( 5 – 10 – 20 – 30 – 50 )

**CLASSIFICATION: HAZARDOUS**

H290-H314  
P280-P301+P330+P331  
P305+P351+P338- P309+P310  
H300-H412  
P273-P309+P310



**Product Code**

TK.400014.00001

**Package Type**

Box

### Nitrite Test Kit

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

( 0,05 – 0,1 – 0,25 – 0,5 – 1 )  
( 1 drop= 50ppm )

**CLASSIFICATION: HAZARDOUS**

H315-H317-H319  
P280-P302+P352  
P305+P351+P338



**Product Code**

TK.400015.00001  
TK.400016.00001

**Specs.**

0,05-0,1-0,25-0,5-1  
1 Damla = 50 ppm

### Oxygen Test Kit

R-1 , R-2 Tit. Sol

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

( 1drop=0,8ppm )

**CLASSIFICATION: HAZARDOUS**

H373-H412-P273

H290-H302-H314-H412  
P273-P280-P301+P330+P331  
P305+P351+P338- P309+P310



**Product Code**

TK.400017.00001

**Package Type**

Box

### pH Test Kit (for pool)

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

( 6,8-7-7,2-7,4-7,6-7,8-8,2 )

**Product Code**

TK.400018.00001

**Package Type**

Box

### Phosphate Test Kit

RP-1 , RP-2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

( 1 – 2 – 5 – 10 – 25 )

**CLASSIFICATION: HAZARDOUS**

H290-H314  
P280-P301+P330+P331  
P305+P351+P338- P309+P310



**Product Code**

TK.400007.00001

**Package Type**

Box

### Silis Test Kit

- Store at 15C° .... +25C°

( 1 drop=3ppm )

**Product Code**

TK.400022.00001

**Package Type**

Box

### Sulfate Test Kit

- Store at 15C° .... +25C°

( 1 drop=50ppm )

**Product Code**

TK.400024.00001

**Package Type**

Box



## Water Analysis Kits

### Sulfite Test Kit

RS-1 , RS-2

- UN 3316
- ADR: 9, II
- Store at 15C° .... +25C°

[ 1drop=0,8ppm ]

**CLASSIFICATION: HAZARDOUS**

H350-H341  
P201-P281-P308+P313  
H319  
P305P351+P338



**Product Code**

TK.400025.00001

**Package Type**

Box

### Sulfur Test Kit

- Store at 15C° .... +25C°

Qualitative

**Product Code**

TK.400026.00001

**Package Type**

Box

### Total Chlorine Dpd method Test Kit

Dpd-1 , Dpd-2

- Store at 15C° .... +25C°

[ 0,1 - 0,3 - 0,6 - 1,0 - 1,5 - 2,0 - 3,0 ]

**Product Code**

TK.400021.00001

**Package Type**

Box

### Total Hardness Test Kit

- Store at 15C° .... +25C°

1drop=1german  
(1drop=1 rench)  
(1drop=2,5german)  
(1drop=5german)

**Product Code**

TK.400027.00001

**Specs.**

1drop=1 German Box  
1drop=1 Rench Box  
1drop=2,5 German Box  
1drop=5 German Box

TK.400028.00001

TK.400029.00001

TK.400030.00001

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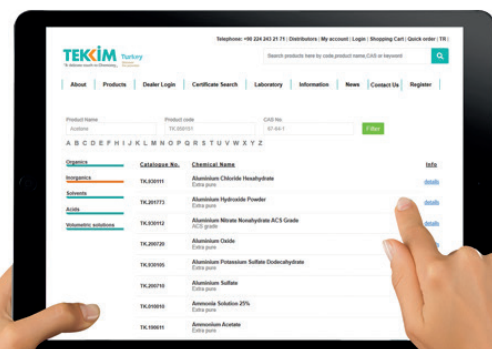
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### Tanret Solution

Component  
Acetic acid [ $\geq 20\%$  -  $< 30\%$ ]  
• CAS: 64-19-7  
Mercury(II) Chloride  
• CAS: 7487-94-7

Density 20°C 1.16 g/cm<sup>3</sup>  
Physical Form Liquid  
Colour Light yellow  
pH 20°C strongly alkaline

**CLASSIFICATION: DANGEROUS**  
H301+H311-H314-H373-H-412  
P273-P280-P301 + P330 + P331  
P302 + P352 -P305 + P351 + P338  
P309 + P310



**Product Code**

TK.400364.00101

**Package Type**

100 ml

### Tashiro's Indicator Solution

Form Liquid  
First boiling point 78 °C 1.013 hPa  
Flash Point C 12 °C  
Concentration in ethanol  
Relative density 0,790 g/cm<sup>3</sup> 20 °C  
Self ignition temperature 404 °C

**CLASSIFICATION: DANGEROUS**  
H225-H319  
P210



**Product Code**

TK.400365.00101

**Package Type**

100 ml

### Thrombocyte Solution

• Store at 15°C .... +25°C

**Product Code**

TK.400374.00101

**Package Type**

100 ml

### Thymol Blue Indicator Solution

C<sub>27</sub>H<sub>30</sub>O<sub>5</sub>S  
• CAS 76-61-9  
• M = 466.59 g/mol

Form Liquid  
Flash point 38 °C

**CLASSIFICATION: DANGEROUS**  
H226



**Product Code**

TK.400366.00051

**Package Type**

50 ml

### Thymol Phtalein

C<sub>28</sub>H<sub>30</sub>O<sub>4</sub>  
• M = 430,53 g/mol  
• CAS 125-20-2

Component Ethanol  
• CAS: 64-17-5  
Boiling point 571,6 °C  
Color Green

**CLASSIFICATION: DANGEROUS**  
H225  
P210-P233-P240-P403 + P235



**Product Code**

TK.400367.00101  
TK.400367.00101

**Package Type**

50 ml  
100 ml

### Tollens' Reagent

• UN 1760  
• ADR: 8, III  
• CAS 7732-18-5

Form Colourless Liquid  
Odour Odourless  
Solubility Soluble in water  
Boiling point ~ 100°C 760 mm Hg  
Relative density ~ 1.01 @ 20°C



**Product Code**

TK.400369.00101

**Package Type**

100 ml

## Buffer Solutions

### Türk'S Solution for Leucocyte Counting

Density 1.00 g/cm<sup>3</sup> (20 °C)  
 Solubility (20 °C) soluble  
 • Store at 15C° .... +25C°

**Product Code**

TK.400375.00101

**Package Type**

100 ml

### Universal Ph (4-10)

• Store at 15C° .... +25C°  
 pH 3.5 - 10.01  
 Relative density approx. 1,00 g/cm<sup>3</sup> @20 °C  
 Solubility in water Soluble @ 20 °C

**Product Code**

TK.400376.00051  
 TK.400376.00101

**Package Type**

50 ml  
 100 ml

### Wright Eosin Methylene Blue

Component  
 Methanol (>= 50 % - <= 100 % )  
 • CAS: 67-56-1  
 • EC: 200-659-6  
 Ethanediol (>= 1 % - < 10 % )  
 • CAS: 107-21-1  
 • EC: 203-473-3  
 Store at +15°C to +25°C.  
 Density 0.80 g/mol

**CLASSIFICATION:HAZARDOUS**

H225 - H301+H311+H331-H370  
 P210-P280-P233-P302 + P352  
 P304 + P340 - P309 + P310



**Product Code**

TK.400377.00101

**Package Type**

100 ml

### Xylenol Orange

C<sub>31</sub>H<sub>32</sub>N<sub>2</sub>O<sub>13</sub>S  
 • M = 760,59 g/mol  
 Component  
 Ethanol  
 • CAS: 64-17-5  
 • EC: 200-578-6  
 Flash point: > 93 °C (199 °F)  
 Store at +15°C to +25°C.

**CLASSIFICATION:HAZARDOUS**

H225  
 P210-P233-P240-P403 + P235



**Product Code**

TK.400378.00051  
 TK.400378.00101

**Package Type**

50 ml  
 100 ml

### Zimmerman-Reinhart Solution

**Product Code**

TK.400379.01001

**Package Type**

1 Lt

### Zinc Chloride Solution 0,1 N

• Store at 15C° .... +25C°

**Product Code**



TK.400089.01001

**Package Type**

1 Lt

# Chemical Compatibility Chart

	Group																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
1 Inorganic Acids																									
2 Organic acids	✓																								
3 Caustics	✓	✓																							
4 Amines & Alkanolamines	✓	✓																							
5 Halogenated Compounds			✓	✓																					
6 Alcohols, Glycols & Glycol Ethers	✓																								
7 Aldehydes	✓	✓	✓	✓		✓																			
8 Ketone	✓		✓	✓			✓																		
9 Saturated Hydrocarbons																									
10 Aromatic Hydrocarbons	✓																								
11 Olefins	✓				✓																				
12 Petroleum Oils																									
13 Esters	✓		✓	✓																					
14 Monomers & Polymerizable Esters	✓	✓	✓	✓	✓	✓																			
15 Phenols			✓	✓			✓								✓										
16 Alkylene Oxides	✓	✓	✓	✓		✓	✓								✓	✓									
17 Cyanohydrins	✓	✓	✓	✓	✓		✓										✓								
18 Nitriles	✓	✓	✓	✓													✓								
19 Ammonia	✓	✓					✓	✓						✓	✓	✓	✓	✓							
20 Halogens			✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓									✓
21 Ethers	✓														✓							✓			
22 Phosphorus, Elemental	✓	✓	✓																			✓	✓		
23 Sulfur, Molten									✓	✓	✓	✓				✓							✓		
24 Acid Anhydrides	✓		✓	✓		✓	✓								✓		✓	✓	✓	✓					

 Represents Unsafe Combinations  
 Represents Safe Combinations

# Chemical Compatibility Chart

## Group 1: Inorganic Acids

Chlorosulfonic acid  
Hydrochloric acid (aqueous)  
Hydrofluoric acid (aqueous)  
Hydrogen chloride (anhydrous)  
Hydrogen fluoride (anhydrous)  
Nitric acid  
Oleum  
Phosphoric acid  
Sulfuric acid

## Group 2: Organic Acids

Acetic acid  
Butyric acid (n-)  
Formic acid  
Propionic acid  
Rosin Oil  
Tall oil

## Group 3: Caustics

Caustic potash solution  
Caustic soda solution

## Group 4: Amines and Alkanolamines

Aminoethylethanolamine  
Aniline  
Diethanolamine  
Diethylenetriamine  
Diisopropanolamine  
Dimethylamine  
Ethylenediamine  
Hexamethylenediamine  
2-Methyl-5-ethylpyridine  
Monoethanolamine  
Monoisopropanolamine  
Morpholine  
Pyridine  
Triethanolamine  
Triethylamine  
Triethylenetetramine  
Trimethylamine

## Group 5: Halogenated Compounds

Allyl chloride  
Carbon tetrachloride  
Chlorobenzene  
Chloroform  
Chlorohydrines, crude  
Dichlorobenzene (o-)  
Dichlorobenzene (p-)  
Dichlorodifluoromethane  
Dichloroethyl ether  
Dichloropropane  
Dichloropropene  
Ethyl chloride  
Ethylene dibromide  
Ethylene dichloride  
Methyl bromide  
Methyl chloride  
Methylene chloride  
Monochlorodifluoromethane  
Perchloroethylene  
Propylene dichloride  
1,2,4-Trichlorobenzene  
1,1,1-Trichloroethane  
Trichloroethylene  
Trichlorofluoromethane

## Group 6: Alcohols, Glycols and Glycol Ethers

Allyl alcohol  
Amyl alcohol  
1,4-Butanediol  
Butyl alcohol (iso, n, sec, tert)  
Butylene glycol  
Corn syrup  
Cyclohexyl alcohol  
Decyl alcohol (n, iso)  
Dextrose solution  
Diacetone alcohol  
Diethylene glycol  
Diethylene glycol dimethyl ether  
Diethylene glycol monobutyl ether  
Diethylene glycol monoethyl ether  
Diethylene glycol monomethyl ether  
Diisobutyl carbitol  
Dipropylene glycol  
Dodecanol  
Ethoxylated dodecanol  
Ethoxylated pentadecanol  
Ethoxylated tetradecanol  
Ethoxylated tridecanol  
Ethoxytriglycol  
Ethyl alcohol  
Ethyl butanol  
2-Ethylbutyl alcohol  
2-Ethylhexyl alcohol  
Ethylene glycol  
Ethylene glycol monobutyl ether  
Ethylene glycol monoethyl ether  
Ethylene glycol monomethyl ether  
Furfuryl alcohol  
Glycerine  
Heptanol  
Hexanol  
Hexylene glycol  
Isoamyl alcohol  
Isooctyl alcohol  
Methoxytriglycol  
Methyl alcohol  
Methylamyl alcohol  
Molasses, all  
Nonanol  
Octanol  
Pentadecanol  
Polypropylene glycol methyl ether  
Propyl alcohols (n, iso)  
Propylene glycol  
Sorbitol  
Tetradecanol  
Tetraethylene glycol  
Tridecyl alcohol  
Triethylene glycol  
Undecanol

## Group 7: Aldehydes

Acetaldehyde  
Acrolein (inhibited)  
Butyraldehyde (n, iso)  
Crotonaldehyde  
Decaldehyde (n, iso)  
2-Ethyl-3-propylacrolein  
Formaldehyde solutions  
Furfural  
Hexamethylenetetramine  
Isooctyl aldehyde  
Methyl butyraldehyde  
Methyl formal  
Paraformaldehyde  
Valeraldehyde

## Group 8: Ketones

Acetone  
Acetophenone  
Camphor oil  
Cyclohexanone  
Diisobutyl ketone  
Isophorone  
Mesityl oxide  
Methyl ethyl ketone  
Methyl isobutyl ketone

## Group 9: Saturated Hydrocarbons

Butane  
Cyclohexane  
Ethane  
Heptane  
Hexane  
Isobutane  
Liquified natural gas  
Liquified petroleum gas  
Methane  
Nonane  
n-Paraffins  
Pentane  
Petrolatum  
Petroleum ethers  
Petroleum naphtha  
Polybutene  
Propane  
Propylene butylene polymer

## Group 10: Aromatic Hydrocarbons

Benzene  
Cumene  
p-Cymene  
Coal tar oil  
Diethybenzene  
Dodecyl benzene  
Dowtherm  
Ethylbenzene  
Naphtha, coal tar  
Naphthalene (includes molten)  
Tetrahydronaphthalene  
Toluene  
Triethyl benzene  
Xylene (m-, o-, p-)

## Group 11: Olefins

Butylene  
1-Decene  
Dicyclopentadiene  
Diisobutylene  
Dipentene  
Dodecene  
1-Dodecene  
Ethylene  
Liquified petroleum gas  
1-Heptene  
1-Hexane  
Isobutylene  
Nonene  
1-Octene  
1-Pentene  
Polybutene  
Propylene  
Propylene butylene polymer



# Chemical Compatibility Chart

## Group 11: Olefins (cont.)

Propylene tetramer (dodecene)  
1-Tetradecene  
1-Tridecene  
Turpentine  
1-Undecene

## Group 12: Petroleum Oils

Asphalt  
Gasolines  
Casinghead  
Automotive  
Aviation  
Jet Fuels  
JP-1 (kerosene)  
JP-3  
JP-4  
JP-5 (kerosene, heavy)  
Kerosene  
Mineral spirits  
Naphtha (non aromatic)  
Naphtha  
Solvent  
Stoddard solvent  
VM&P  
Oils  
Absorption oil  
Clarified oil  
Crude oil  
Diesel oil  
Fuel oil  
No. 1 (kerosene)  
No. 1-D  
No. 2  
No. 2-D  
No. 4  
No. 5  
No. 6  
Lubricating oil  
Mineral oil  
Mineral seal oil  
Motor oil  
Penetration oil  
Range oil  
Road oil  
Spindle oil  
Spray oil  
Transformer oil  
Turbine oil

## Group 13: Esters

Amyl acetate  
Amyl tallate  
Butyl acetates (n, iso, sec)  
Butyl benzyl phthalate  
Castor oil  
Croton oil  
Dibutyl phthalate  
Diethyl carbonate  
Dimethyl sulfate  
Diocetyl adipate  
Diocetyl phthalate  
Epoxidized vegetable oils  
Ethyl acetate  
Ethyl diacetate  
Ethylene glycol monoethyl ether acetate  
Ethylhexyl tallate

## Group 13: Esters

Fish oil  
Glycol diacetate  
Methyl acetate  
Methyl amyl acetate  
Neatsfoot oil  
Olive oil  
Peanut oil  
Propyl acetates (n, iso)  
Resin oil  
Soya bean oil  
Sperm oil  
Tallow  
Tanner's oil  
Vegetable oil  
Wax, carnauba

## Group 14: Monomers and Polymerizable esters

Acrylic acid (inhibited)  
Acrylonitrile  
Butadiene (inhibited)  
Butyl acrylate (n, iso)  
Ethyl acrylate (inhibited)  
2-Ethylhexyl acrylate (inhibited)  
Isodecyl acrylate (inhibited)  
Isoprene (inhibited)  
Methyl acrylate (inhibited)  
Methyl methacrylate (inhibited)  
o-Propiolactone  
Styrene (inhibited)  
Vinyl acetate (inhibited)  
Vinyl chloride (inhibited)  
Vinylidene chloride (inhibited)  
Vinyl toluene

## Group 15: Phenols

Carbolic oil  
Creosote, coal tar  
Cresols  
Nonylphenol  
Phenol

## Group 16: Alkylene Oxides

Ethylene Oxide  
Propylene Oxide

## Group 17: Cyanohydrins

Acetone cyanohydrin  
Ethylene cyanohydrin

## Group 18: Nitriles

Acetonitrile  
Adiponitrile

## Group 19: Ammonia

Ammonium hydroxide

## Group 20: Halogens

Bromine  
Chlorine

## Group 21: Ethers

Diethyl ether (ethyl ether)  
1, 4, Dioxane  
Isoprophyl ether  
Ethers (cont)  
Tetrahydrofuran

## Group 22: Phosphorus, elemental

## Group 23: Sulfur, molten

## Group 24: Acid Anhydride

Acetic anhydride  
Propionic anhydride

## Chemical compatibility

### Examples of incompatible combinations of some commonly used chemicals:

CHEMICAL	KEEP FROM CONTACT WITH
Acetic Acid	Chromic acid, nitric acid, hydroxyl compounds, perchloric acid, peroxides, permanganate
Acetylene	Chlorine, bromine, copper, fluorine, silver, mercury
Alkali Metals (e.g. Sodium)	Water, chlorinated hydrocarbons, carbon dioxide, halogens
Ammonia, Anhydrous	Mercury, chlorine, calcium hypochlorite, iodine, bromine, hydrofluoric acid
Ammonium Nitrate	Acids, metal powders, flammable liquids, chlorates, nitrites, sulphur, finely divided combustible materials
Aniline	Nitric acid, hydrogen peroxide
Bromine	Same as chlorine
Carbon, Activated	Calcium hypochlorite, all oxidizing agents
Chlorates	Ammonium salts, acids, metal powders, sulphur, finely divided combustible materials
Chromic Acid	Acetic acid, naphthalene, camphor, glycerin, turpentine, alcohol, flammable liquids
Chlorine	Ammonia, acetylene, butadiene, butane, methane, propane (or other petroleum gases), hydrogen, sodium carbide, turpentine, benzene, finely divided metals
Copper	Acetylene, hydrogen peroxide
Flammable Liquids	Ammonium nitrate, inorganic acids, hydrogen peroxide, sodium peroxide, halogens
Hydrocarbons	Fluorine, chlorine, bromine, chromic acid, sodium peroxide
Hydrofluoric Acid	Anhydrous ammonia, ammonium hydroxide
Hydrogen Peroxide	Copper, chromium, iron, most metals or their salts, alcohols, acetone, aniline, nitromethane, flammable liquids, oxidizing gases
Hydrogen Sulphide	Fuming nitric acid, oxidizing gases
Iodine	Acetylene, ammonia (aqueous or anhydrous), hydrogen
Mercury	Acetylene, fulminic acid, ammonia
Nitric Acid	Acetic acid, aniline, chromic acid, hydrocyanic acid, hydrogen sulphide, flammable liquids, flammable gases
Oxalic Acid	Silver, mercury
Perchloric Acid	Acetic anhydride, bismuth and its alloys, organic materials
Potassium	Carbon tetrachloride, carbon dioxide, water
Potassium Chlorate	Sulphuric and other acids
Potassium Permanganate	Glycerin, ethylene glycol, benzaldehyde, sulphuric acid
Silver	Acetylene, oxalic acid, tartaric acid, ammonia compounds
Sodium Peroxide	Alcohol, glacial acetic acid, acetic anhydride, benzaldehyde, carbon disulphide, glycerin, ethylene glycol, ethyl acetate, methyl acetate, furfural
Sulphuric Acid	Potassium chlorate, potassium perchlorate, potassium permanganate (or compounds with similar light metals, such as sodium, lithium, etc.)



# Chemical segregation

## Suggested Segregation for Chemical Storage:

### Flammables

- Store in grounded flammable liquid storage cabinet
- Separate from oxidizing materials

#### Examples:

Acetone  
Ethanol  
Glacial acetic acid

### Caustics

- Store in dry area
- Separate from acids

#### Examples:

Ammonium hydroxide  
Sodium hydroxide  
Potassium hydroxide

### Non-oxidizing compressed gases

- Store in well-ventilated area
- Separate physically from oxidizing compressed gases.

#### Examples:

Nitrogen  
Hydrogen  
Carbon Dioxide

### Non-flammable solvents

- Store in cabinet
- Can be stored with flammable liquids
- Separate from oxidizing materials

#### Examples:

Carbon tetrachloride  
Ethylene glycol  
Mineral oil

### Water reactive chemicals

- Store in cool, dry location
- Separate from aqueous solutions
- Protect from fire sprinkler water

#### Examples:

Sodium  
Potassium  
Lithium

### Oxidizing compressed gases

- Separate physically from flammable compressed gases.

#### Examples:

Oxygen  
Chlorine  
Nitrous oxide

### Acids

- Store in cabinet of non-combustible material
- Separate oxidizing acids from organic acids
- Separate from caustics, cyanides, sulfides

#### Examples:

Nitric acid  
Hydrochloric acid  
Sulphuric acid

### Oxidizers

- Store in cabinet of non-combustible material
- Separate from flammable and combustible materials

#### Examples:

Sodium hypochlorite  
Benzoyl peroxide  
Potassium permanganate

### Non-volatile, non-reactive solids

- Store in cabinets or open shelves with edge guards

#### Examples:

Agar  
Sodium chloride  
Sodium bicarbonate

## Unstable chemicals

Many chemicals, most notably ethers (e.g., THF, dioxane, diethyl and isopropyl ether), are susceptible to decomposition resulting in explosive products. Ethers, liquid paraffins, and olefins form peroxides on exposure to air and light. Since most of these products have been packaged in an air atmosphere, peroxides can form even if the containers have not been opened.

- Discard unopened containers of ethers after one year
- Discard containers of ethers within six months of opening
- Never handle ethers beyond their expiry dates; contact your local waste disposal coordinator to arrange to have the material stabilized and removed
- The following are common examples of compounds prone to peroxide formation:

Cyclohexene  
Dicyclopentadiene  
Diethyl ether (ether)  
Dimethyl ether  
Dioxane  
Isopropyl ether  
Tetrahydrofuran (THF)

## Explosive chemicals

Many chemicals are susceptible to rapid decomposition or explosion when subjected to forces such as being struck, vibrated, agitated or heated. Some become increasingly shock sensitive with age. Picric acid becomes shock sensitive and explosive if it dries out.

The following are atomic groups that are associated with the possibility of explosion:

Acetylde, Amine Oxide, Azide, Chlorate, Diazo, Diazonium, Fulminate N-haloamine, Hypohalite, Hydroperoxide, Nitrate, Nitrite, Nitroso, Nitro, Ozonide Perchlorate, Peroxide, Picrate.

The following are common examples of materials known to be shock-sensitive and explosive:

Ammonium Nitrate, Ammonium Perchlorate, Copper Acetylde, Dinitrotoluene, Fulminate of Mercury, Lead Azide, Nitroglycerine, Picric acid (when dry) Trinitrotoluene

## Environmental Health and Safety (EHS) Approved Laboratory Abbreviation List.

The following abbreviations can be used in research laboratories for labeling of containers:

Abbreviation	Product Full Name	CAS No.
2YT/DYT	Yeast extract and tryptone media	N/A
ABTS	2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt	30931-67-0
ACN	Acetonitrile	75-05-8
Amp	Ampicillin	69-53-4
APS	Ammonium persulfate	7727-54-0
BSA	Bovine Serum Albumin	9048-46-8
DAPI	4',6-Diamidino-2-phenylindole	28718-90-3
DEAE	N,N-Diethylethanolamine	100-37-8
DEPC	Diethyl pyrocarbonate	1609-47-8
D-MEM	Dulbecco's Modified Eagle Medium	N/A
DMF	N,N-Dimethylformamide	68-12-2
DMSO	Dimethyl sulphoxide	67-68-5
DTE	1,4-Dithioerythritol	6892-68-8
DTT	Dithiothreitol	3483-12-3
EDDHA	Ethylenediamine-N,N'-bis(2-hydroxyphenylacetic acid	1170-02-1
EDTA	Ethylenediaminetetraacetic acid	60-00-4
EGTA	Ethylene glycol bis(2-aminoethyl ether)-N,N,N',N'-tetraacetic acid	67-42-5
EtBr	Ethidium Bromide	1239-45-8
EtOH	Ethanol	64-17-5
FA	Formic Acid	64-18-6
FBS	Fetal Bovine Serum	N/A
FCS	Fetal Calf Serum	N/A
H2O	Water	7732-18-5
H2O2	Hydrogen peroxide	7722-84-1
H2SO4	Sulfuric acid	7664-93-9
H3PO4	Phosphoric acid	7664-38-2
HCl	Hydrochloric acid	7647-01-0
HClO4	Perchloric acid	7601-90-3
HEPES	N-2-Hydroxyethylpiperazine-N-2-ethansulfonic acid	7365-45-9
HNO3	Nitric acid	7697-37-2
IPTG	Isopropyl β-D-1-thiogalactopyranoside	367-93-1
KCl	Potassium chloride	7447-40-7
KOH	Potassium hydroxide	1310-58-3
LB	Luria-Bertani medium	N/A
MeOH	Methanol	67-56-1
MES	2-(N-morpholino)ethanesulfonic acid	4432-31-9
MOPS	3-(N-Morpholino)propanesulfonic acid	1132-61-2
Na2CO3	Sodium carbonate	497-19-8
NaCl	Sodium chloride	7647-14-5
NaHCO3	Sodium bicarbonate	144-55-8
NaOH	Sodium hydroxide	1310-73-2
NiCl2	Nickel chloride	7718-54-9
ONPG	O-Nitrophenyl-β-D-galactopyranoside	369-07-03
PAGE	Polyacrylamide gel electrophoresis solution	N/A
PBS	Phosphate buffered saline	N/A
PEG	Polyethylene glycol	25322-68-3
PFA	Paraformaldehyde	30525-89-4
PIPES	Piperazine-N,N'-bis-2-ethanesulfonic acid	5625-37-6
PMSF	Phenylmethanesulfonyl fluoride	329-98-6
SDS	Sodium dodecyl sulfate	151-21-3
SOB	Medium for bacterial culture containing tryptone, yeast extract, sodium chloride	N/A
SOC	Medium for bacterial culture	N/A
SSC	Sodium chloride/sodium citrate buffer solution	N/A
TAE	TRIS-Acetate-EDTA solution	N/A
TB	Terrific broth (bacterial culture media)	N/A
TBE	TRIS-Borate-EDTA buffer solution	N/A
TBS	TRIS buffered saline	N/A
TCA	Trichloroacetic acid	76-03-9
TE	Tris-EDTA buffer solution	N/A
TEMED	N,N,N',N'-Tetramethylethylenediamine	110-18-9
TES	N-tris(hydroxymethyl)methyl-2-aminoethane sulfonic acid	7365-44-8
TFA	Trifluoroacetic acid	76-05-1
TRIS	Tris-(hydroxymethyl) aminomethane	77-86-1
TWEEN	Polyethylene glycol sorbitan monolaurate	9005-64-5
X-gal	5-Bromo-4-chloro-3-indolyl β-D-galactopyranoside	7240-90-6
YES	Yeast extract plus supplements	N/A
YPD	Yeast growth media	N/A



# The Periodic Table of the Elements

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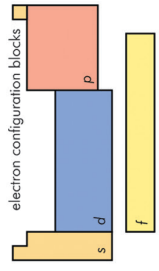
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1 1.00794 Hydrogen [1] 1s <sup>1</sup>	2 9.012182 Helium [2] 1s <sup>2</sup>	3 6.941 Lithium [3] 1s <sup>2</sup> 2s <sup>1</sup>	4 9.012182 Beryllium [4] 1s <sup>2</sup> 2s <sup>2</sup>	5 22.989769 Lithium [3] 1s <sup>2</sup> 2s <sup>1</sup>	6 24.305092 Magnesium [2] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup>	7 22.989769 Sodium [1] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>1</sup>	8 39.948 Magnesium [2] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup>	9 39.948 Aluminum [3] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>1</sup>	10 39.948 Silicon [4] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>2</sup>	11 39.948 Phosphorus [5] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>3</sup>	12 39.948 Sulfur [6] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>4</sup>	13 39.948 Chlorine [7] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>5</sup>	14 39.948 Argon [8] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>6</sup>	15 39.948 Potassium [1] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>6</sup> 4s <sup>1</sup>	16 39.948 Calcium [2] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>6</sup> 4s <sup>2</sup>	17 39.948 Scandium [3] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>6</sup> 4s <sup>2</sup> 3d <sup>1</sup>	18 39.948 Titanium [4] 1s <sup>2</sup> 2s <sup>2</sup> 2p <sup>6</sup> 3s <sup>2</sup> 3p <sup>6</sup> 4s <sup>2</sup> 3d <sup>2</sup>

atomic mass — 55.845  
 or most stable mass number — 26  
 1st ionization energy in kJ/mol — 762.5  
 chemical symbol — **Fe**  
 name — Iron  
 electron configuration — [Ar] 3d<sup>6</sup> 4s<sup>2</sup>

alkali metals  
 alkaline metals  
 other metals  
 transition metals  
 lanthanoids  
 actinoids

metalloids  
 nonmetals  
 halogens  
 noble gases  
 unknown elements  
 radioactive elements have masses in parenthesis

atomic number  
 electronegativity  
 oxidation states  
 most common ore bold



- notes
- as of yet, elements 113-118 have no official name designated by the IUPAC.
  - 1 kJ/mol ≈ 26.485 eV.
  - all elements are implied to have an oxidation state of zero.

138.9054 57 Lanthanum [63] 5d <sup>1</sup> 6s <sup>2</sup>	140.116 58 Cerium [64] 4f <sup>1</sup> 5d <sup>1</sup> 6s <sup>2</sup>	140.9076 59 Praseodymium [65] 4f <sup>3</sup> 6s <sup>2</sup>	144.242 60 Neodymium [66] 4f <sup>4</sup> 6s <sup>2</sup>	145 61 Promethium [67] 4f <sup>5</sup> 6s <sup>2</sup>	150.36 62 Samarium [68] 4f <sup>6</sup> 6s <sup>2</sup>	151.964 63 Europium [69] 4f <sup>7</sup> 6s <sup>2</sup>	157.25 64 Gadolinium [70] 4f <sup>7</sup> 5d <sup>1</sup> 6s <sup>2</sup>	158.9253 65 Terbium [71] 4f <sup>9</sup> 6s <sup>2</sup>	162.500 66 Dysprosium [72] 4f <sup>10</sup> 6s <sup>2</sup>	164.9303 67 Holmium [73] 4f <sup>11</sup> 6s <sup>2</sup>	167.259 68 Erbium [74] 4f <sup>12</sup> 6s <sup>2</sup>	173.054 69 Thulium [75] 4f <sup>13</sup> 6s <sup>2</sup>	173.054 70 Ytterbium [76] 4f <sup>14</sup> 6s <sup>2</sup>
(227) 89 Actinium [89] 5f <sup>7</sup> 6d <sup>1</sup> 7s <sup>2</sup>	232.0380 90 Thorium [90] 6d <sup>2</sup> 7s <sup>2</sup>	231.0358 91 Protactinium [91] 5f <sup>2</sup> 6d <sup>1</sup> 7s <sup>2</sup>	238.0289 92 Uranium [92] 5f <sup>3</sup> 6d <sup>1</sup> 7s <sup>2</sup>	(237) 93 Neptunium [93] 5f <sup>4</sup> 6d <sup>1</sup> 7s <sup>2</sup>	(244) 94 Plutonium [94] 5f <sup>6</sup> 7s <sup>2</sup>	(243) 95 Americium [95] 5f <sup>7</sup> 7s <sup>2</sup>	(247) 96 Curium [96] 5f <sup>7</sup> 6d <sup>1</sup> 7s <sup>2</sup>	(247) 97 Berkelium [97] 5f <sup>9</sup> 7s <sup>2</sup>	(251) 98 Californium [98] 5f <sup>10</sup> 7s <sup>2</sup>	(252) 99 Einsteinium [99] 5f <sup>11</sup> 7s <sup>2</sup>	(257) 100 Fermium [100] 5f <sup>12</sup> 7s <sup>2</sup>	(259) 101 Mendelevium [101] 5f <sup>13</sup> 7s <sup>2</sup>	(262) 102 Nobelium [102] 5f <sup>14</sup> 7s <sup>2</sup>



## Our Quality Certificates

Tekkim, serves with domestic and oversea distributors to meet the needs of the hospitals, pathology laboratories, university research laboratories, defense industry, food, medicine, and cosmetics sectors.

FACILITY AND PRODUCTION Quality Assurance System ISO 9001, Environmental Management System ISO 14001 certification, chemical production permits approved by official institutions, etc. quality certificates.

## ISO 14001:2015

Environmental Data Management System

## ISO 9001:2015

International Organization for Standardization



# NOTES

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