

2401

**pH STICKS, 0-14, OP**

For pH measurement in weakly buffered or strongly alkaline solutions  
Gradation: 0-1-2-3-4-5-6-7-8-9-10-11-12-13-14

Pack Size: 100

7873

**pH STICKS 2-9, OP**

For pH measurement in weakly buffered or strongly alkaline solutions  
Gradation: 2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0-6.5-7.0-7.5-8.0-8.5-9.0

Pack Size: 100

7871

**pH STICKS 6-10, OP**

For pH measurement in weakly buffered or strongly alkaline solutions  
Gradation: 6.0-6.4-6.7-7.0-7.3-7.6-7.9-8.2-8.4-8.6-8.8-9.1-9.5-10.0

Pack Size: 100

7872

**pH STICKS 7-14, OP**

For pH measurement in weakly buffered or strongly alkaline solutions  
Gradation: 7.0-7.5-8.0-8.5-9.0-9.5-10.0-10.5-11.0-11.5-12.0-12.5-13.0-13.5-14.0

Pack Size: 100

**1,10-PHENANTHROLINE FERROUS COMPLEX SOLUTION** (see Ferroin solution page 175)

365

**1,10-PHENANTHROLINE HYDRATE, UNIVAR**

CAS 5144-89-8

Synonyms: o-Phenanthroline Hydrate

C<sub>12</sub>H<sub>8</sub>N<sub>2</sub>·H<sub>2</sub>O = 198.23

Reagent for Fe. Redox indicator.

Description: white to off-white crystals or crystalline powder.

U.N Number ..... 2811

ADG Class ..... 6.1

Packing Group ..... III

<i>Maximum limit of impurities</i>	<i>(%)</i>
Suitability as redox indicator .....	To pass test
Suitability for determining Fe .....	To pass test
Transition EMF (@ pH=0) .....	+1.08 V
Transition EMF (@ pH=7) .....	+ 1.12 V
Colour change: Oxidized (faint blue) to reduced red)	

Conforms to ACS

Pack Size: 5g, 100g

**o-PHENANTHROLINE HYDRATE** (1,10-Phenanthroline Hydrate page 283)

1012

**PHENETHYL ALCOHOL, OP**

CAS 60-12-8

C<sub>6</sub>H<sub>5</sub>CH<sub>2</sub>CH<sub>2</sub>OH = 122.17

Assay ..... 99.0% min.

Density ..... 1.0200

Dielectric constant @ 25°C ..... 9.93

R.I. (n<sub>20</sub><sup>o</sup>/D) ..... 1.5310 - 1.5330

U.N Number ..... 2810

ADG Class ..... 6.1

Packing Group ..... III

Pack size: 100g



## PHENOL

CAS 108-95-2

Synonyms: Carboic Acid

C<sub>6</sub>H<sub>5</sub>OH = 94.11

U.N Number ..... 1671

ADG Class ..... 6.1

Packing Group ..... II

366

## PHENOL, UNIVAR

Description: colourless hygroscopic crystals becoming pink on exposure to light or moisture.

F.P.(dry basis) ..... 40°C

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insol. ....	0.005	Cu .....	0.000005
Non-vol. ....	0.02	Tarry matter .....	no reaction
Acidity or alkalinity .....	0.04 mmol H or OH	Ba .....	0.00006
Cl .....	0.0005	Ca .....	0.0001
Al .....	0.0005	Sr .....	0.000002
Mg .....	0.0005	Co .....	0.000002
Zn .....	0.0005	Mn .....	0.000002
Fe .....	0.00015	Mo .....	0.000002
Pb .....	0.000005	Ni .....	0.000002
Cd .....	0.000005	K .....	0.001
Cr .....	0.000005	Na .....	0.001

Store below 4°C (refrigerate)

Pack Size: 500g, 5kg

1159

## PHENOL crystals, UNILAB

Colourless or faintly pink or faintly yellowish crystals or crystalline masses.

Assay ..... 99.0 - 100.5%

F.P. .... 39.5°C min.

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Acidity. ....	To pass test		
Clarity & colour of sol. ....	To pass test		
ROE .....	0.05		

Store below 4°C (refrigerate)

Chemical and physical parameters conform to BP

Pack Size: 500g, 5kg, 25kg

## PHENOLPHTHALEIN

CAS 77-09-8  
 $C_{20}H_{14}O_4 = 318.33$

2656

## PHENOLPHTHALEIN, UNILAB

A white or yellowish-white, crystalline or amorphous powder; odourless or almost odourless

Assay (dried subst.) ..... 98.0 - 102.0%  
 Melting point ..... 258 – 263°C

*Maximum limit of impurities* (%)  
 Heavy metals (as Pb) ..... 0.0020  
 Fluoran ..... To pass test  
 L.O.D. .... 1.0  
 Sulphated ash ..... 0.1  
 Chemical and physical parameters conform to BP

Pack Size: 100g

368

## PHENOLPHTHALEIN, LABCHEM

Assay .....98%

Pack Size: 25g, 100g, 500g, 5kg, 25kg

754

## PHENOLPHTHALEIN SOLUTION, LABCHEM



CAS 64-17-5  
 pH indicator solution.  
 1.0% in methylated spirit.  
 pH 8.0 (colourless) ..... To pass test  
 pH 8.2 (pale pink) ..... To pass test  
 pH 8.6 (pink) ..... To pass test  
 pH 10.0 (red) ..... To pass test

U.N Number ..... 1993  
 ADG Class ..... 3  
 Packing Group ..... II

Pack Size: 100mL, 500mL

2300

## PHENOL RED, LABCHEM

CAS 143-74-8  
**Synonyms:** Phenolsulphonephthalein  
 $C_{19}H_{14}O_5S = 354.37$   
 pH indicator.

Visual transition colour  
 pH 0.0 (pink) ..... To pass test  
 pH 2.0 and 6.8 (yellow) ..... To pass test  
 pH 8.2 (red) ..... To pass test

Pack Size: 5g, 100g

7880

## PHENOL RED 1% SOLUTION, LABCHEM

Appearance: Intense red solution  
 Free Alkalinity: Colour change red to orange @ 18.5mL ± 2mL  
 Absorbance (0.05% @ 559nm) ..... 0.80 – 0.92

Pack Size: 20L

## PHENOLSULPHONEPHTHALEIN (see Phenol Red page 285)

586

## 2-PHENOXYETHANOL, LABCHEM

CAS 122-99-6

Synonyms: Ethylene Glycol Monophenyl Ether

 $C_6H_5OCH_2CH_2OH = 138.17$ 

Density at (20°C) ..... about 1.07g/mL

Description: Mobile, colourless liquid. The product is sensitive to iron.

Assay by GLC ..... 99.0%

Pack Size: 500mL, 20L

## N-PHENYLACETAMIDE (see Acetanilide page 40)

1160

## PHENYLACETIC ACID, UNILAB

CAS 103-82-2

Synonyms: Benzeneacetic Acid

 $C_6H_5CH_2COOH = 136.15$ 

Assay ..... 99% min.

M.P. .... 76-78°C

Pack Size: 500g

3092

## DL-PHENYLALANINE, UNILAB

CAS 150-30-1

 $C_9H_{11}NO_2 = 165.2$ 

Appearance: White crystalline powder

Assay ..... 99.0% min.

**Maximum limit of impurities** (%)

H.M (as Pb) ..... 0.0005

Pack size: 25g

3430

## L-PHENYLALANINE, UNIVAR

CAS 63-91-2

 $C_9H_{11}NO_2 = 165.2$ 

Appearance: White crystalline powder

Assay ..... 99.0% min.

Specific Rotation ..... -33.0 to -35.2°

**Maximum limit of impurities** (%)

H.M (as Pb) ..... 0.002

As ..... 0.0003

L.O.D ..... 0.3

Pb ..... 0.001

R.O.I ..... 0.1

Pack size: 25g

## PHENYL BROMIDE (see Bromobenzene page 96)

## PHENYL CARBINOL (see Benzyl Alcohol page 90)

## PHENYL CHLORIDE (see Chlorobenzene page 123)

1285

## PHENYL DISODIUM ORTHOPHOSPHATE, LABCHEM

CAS 3279-54-7

**Synonyms:** di-Sodium Phenyl Phosphate $C_6H_5Na_2PO_4 \cdot 2H_2O = 254.09$ 

Assay ..... 98% min.

**Maximum limit of impurities (%)**

L.O.D ..... 15

Free Phenol ..... 0.02

Suitable for detmn of phosphatase ..... To pass test

Store below 4°C (refrigerate)

Pack Size: 100g

## PHENYLHYDRAZINE HYDROCHLORIDE (see Phenylhydrazinium Chloride page 287)

1538

## PHENYLHYDRAZINIUM CHLORIDE, LABCHEM



CAS 59-88-1

**Synonyms:** Phenylhydrazine Hydrochloride $C_6H_5NHNH_2 \cdot HCl = 144.61$ 

Reagent for aldehydes &amp; ketones.

U.N Number ..... 2811

ADG Class ..... 6.1

Packing Group ..... II

Pack Size: 250g

## PHENYL METHANE (see Toluene page 400)

2332

## PHENYL SALICYLATE, LABCHEM

CAS 118-55-8

**Synonyms:** Salol $HOC_6H_4COOC_6H_5 = 214.22$ 

Appearance: White crystals.

M.P ..... about 43°C

Pack Size: 100g

1162

## PHLOROGLUCINOL, UNIVAR

CAS 108-73-6

**Synonyms:** 1,3,5 - Benzenetriol $C_6H_6O_3 = 126.1$ 

Appearance: White crystalline powder

Assay ..... 99.0% min.

Melting Point ..... 219 - 222°C

**Maximum limit of impurities (%)**

R.O.I ..... 0.05

Pack size: 25g, 100g

## PHOSPHOMOLYBDIC ACID (see dodeca-Molybdophosphoric acid page 260)

## PHOSPHORIC ACID (see Orthophosphoric acid page 273)

## PHOSPHORIC ANHYDRIDE (see Phosphoric Oxide page 288)

324

## PHOSPHORIC OXIDE, UNILAB



CAS 1314-56-3

Synonyms: Phosphorus Pentoxide, Phosphoric Anhydride

P<sub>2</sub>O<sub>5</sub> = 141.95

Assay ..... 98.5% min.

U.N Number ..... 1807

ADG Class ..... 8

Packing Group ..... II

**Maximum limit of impurities (%)**

As ..... 0.01

Fe ..... 0.005

H.M. (as Pb) ..... 0.02

Cl ..... 0.005

Pack Size: 250g, 5kg

## PHOSPHOROUS OXYCHLORIDE (see Phosphoryl Chloride page 289)

## PHOSPHOROUS CHLORIDE (see Phosphorous Trichloride page 288)

## PHOSPHOROUS PENTOXIDE (see Phosphoric Oxide page 288)

1164

## PHOSPHORUS, RED, AMORPHOUS, LABCHEM



CAS 7723-14-0

P = 30.97

Assay ..... 97% min.

U.N Number ..... 1338

ADG Class ..... 4.1

Packing Group ..... III

**Maximum limit of impurities (%)**

Fe ..... 0.2

Pack Size: 500g

374

## PHOSPHORUS TRICHLORIDE, UNILAB



CAS 7719-12-2

Synonyms: Phosphorous Chloride

PCl<sub>3</sub> = 137.33

Density ..... about 1.57g/mL

Assay ..... 99.0% min.

U.N Number ..... 1809

ADG Class ..... 6.1

Subsidiary Risk ..... 8

Packing Group ..... I

**Maximum limit of impurities (%)**

Cu ..... 0.0001

Ni ..... 0.0001

Fe ..... 0.0001

Pb ..... 0.0001

Pack Size: 500mL

1167

## PHOSPHORYL CHLORIDE, UNILAB



CAS 10025-87-3

Synonyms: Phosphorus Oxychloride

POCl<sub>3</sub> = 153.33

Density ..... about 1.67g/mL

Assay ..... 99% min.

Boiling Range ..... 106 – 108°C

U.N Number ..... 1810

ADG Class ..... 8

Packing Group ..... II

**Maximum limit of impurities (%)**

Cu ..... 0.0001

Ni ..... 0.0001

Fe ..... 0.0002

Pb ..... 0.0001

Pack Size: 500mL, 1L

## PHOSPHOTUNGSTIC ACID (see dodeca-Tungstophosphoric acid page 408)

## PHTHALIC ACID DIBUTYL ESTHER (see Di-n-Butyl Phthalate page 148)

375

## PHTHALIC ANHYDRIDE, UNILAB

CAS 85-44-9

Synonyms: 1,3-Isobenzofurandione

C<sub>8</sub>H<sub>4</sub>O<sub>3</sub> = 148.12

Appearance: White flakes. M.P about 130°C

Assay ..... 99.5% min.

**Maximum limit of impurities (%)**

Maleic anhydride ..... 0.05

Pack Size: 500g

3099

## PICRIC ACID, UNIVAR



CAS 88-89-1

Synonyms: 2,4,6-Trinitrophenol

(NO<sub>2</sub>)<sub>3</sub>C<sub>6</sub>H<sub>2</sub>OH = 229.11

All data related to water-free substance.

Assay ..... 99.0% min.

M.P. .... 120 - 123°C

U.N Number ..... 1344

ADG Class ..... 4.1

Packing Group ..... I

**Maximum limit of impurities (%)**

Insoluble in toluene ..... 0.1

Sulph. Ash ..... 0.05

Cl ..... 0.001

SO<sub>4</sub> ..... 0.02

Pack Size: 100g, 500g

## PIPERAZINE-N,N'-BIS(2-ETHANESULFONIC ACID (see Pipes page 290)

1013

## PIPERIDINE, OP



CAS 110-89-4

Synonyms: Hexahydropyridine, Pentamethylene Amine

C<sub>5</sub>H<sub>11</sub>N = 85.15

Assay ..... 99.0% min.

Density ..... 0.8622

R.I (@ 20°C) ..... 1.4515 – 1.4535

U.N Number ..... 2401

ADG Class ..... 8

Subsidiary Risk ..... 3

Packing Group ..... I

**Maximum limit of impurities (%)**

Water (K.F.) ..... 0.5

Pack size: 500mL

3434

## PIPES (PIPERAZINE-N-N'-bis[2-ETHANESULPHONIC ACID], BIOLOGICAL BUFFER, UNIVAR

CAS 5625-37-6

Synonyms: Piperazine-N,N'-bis(2-Ethanesulfonic Acid)

C<sub>8</sub>H<sub>18</sub>N<sub>2</sub>O<sub>6</sub>S<sub>2</sub> = 302.37

Description: White powder

Assay ..... 99.0% min.

pKa ..... 6.6 – 7.0

**Maximum limit of impurities (%)**

Moisture ..... 1.0

Pack size: 100g, 1Kg

## PLATINIC CHLORIDE (see Chloroplatinic acid page 127)

1170

## PLATINUM WIRE, 0.375mm dia

CAS 7440-06-4

Pt = 195.09

Assay ..... 99.9% min.

**Maximum limit of impurities (%)**

Au ..... 0.0009

Ag ..... 0.0009

Cu ..... 0.0009

Pd ..... 0.0009

Rh ..... 0.0009

Pack Size: 25cm

1683

## POLYETHYLENE GLYCOL 4000, TECHNICAL

CAS 25322-68-3

HO(CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>H (n approx. 80)

Apparent MW= 3600-4400

Colour ..... 30 Hazen

pH (5% ) soln ..... 5.0 - 7.0

Viscosity (@ 99°C) ..... 130 – 180 cs

**Maximum limit of impurities (%)**

Ash ..... 0.05

Acidity (HAc) ..... 0.05

Pack Size: 500g

**5720 POLYETHYLENE GLYCOL 6000, TECHNICAL**

CAS 25322-68-3  
 HO (CH<sub>2</sub>CH<sub>2</sub>O)<sub>n</sub>H (n approx.120).  
 Apparent MW(5800 - 6800)  
 pH (5%) ..... 5.0 7.0  
 Viscosity (@ 99°C) ..... 330-500 cs  
 Colour ..... 50 Hazen max.

**Maximum limit of impurities (%)**  
 Ash ..... 0.05  
 Acidity (HAc) ..... 0.05

Pack Size: 500g, 5kg

**POLYSORBATE 20** (see Ecoteric T20 page 163)

**POLYSORBATE 80** (see Ecoteric T80 page 163)

**4877 POLYVINYL ALCOHOL BF-17W, TECHNICAL**

CAS 9002-89-5  
 MW (77,000 to 82,000)  
 Fully hydrolysed grade  
 Viscosity ..... 25 – 30cps  
 Hydrolysis (mole%) ..... 95.0 – 97.0  
 pH ..... 5 – 7  
 Volatile ..... 5.0% max.  
 Ash ..... 1.0% max.

Pack Size: 500g

**720 POPOP, Scintillation grade, LABCHEM**

CAS 1806-34-4  
 C<sub>24</sub>H<sub>16</sub>N<sub>2</sub>O<sub>2</sub> = 364.4  
 Description: Yellow to yellow-green solid  
 Assay ..... 97.0% min.  
 Melting point ..... 243 - 246°

Pack size: 25g

**2645 POTASSIUM 1000ppm SINGLE ELEMENT ICP STANDARD, UNIPURE**

A 1000 ppm Potassium standard, ready for use.  
 K in 0.5% Nitric acid.

Traceable to NIST

Pack Size: 100mL

U.N Number ..... 3264  
 ADG Class ..... 8  
 Packing Group ..... III

**2603 POTASSIUM NITRATE AAS STANDARD, SPECTROSOL**

A 1000 ppm potassium standard, ready for use, each mL contains 1.00 mg +/- 0.005mg of K in 0.5% nitric acid.

Traceable to NIST

Pack Size: 500mL

U.N Number ..... 3264  
 ADG Class ..... 8  
 Packing Group ..... III

352

**POTASSIUM ACETATE, UNILAB**

CAS 127-08-2

Synonyms: Acetic Acid Potassium Salt

CH<sub>3</sub>COOK = 98.14

Assay(after drying) ..... 99.0% min.

**Maximum limit of impurities (%)**

L.O.D. .... 1

H.M (as Pb) ..... 0.005

Cl ..... 0.005

SO<sub>4</sub> ..... 0.005

Pack Size: 500g

**POTASSIUM ALUM** (see Aluminium Potassium Sulphate page 55)**POTASSIUM ALUMINIUM SULPHATE** (see Aluminium Potassium Sulphate page 55)

1171



CAS 1333-78-4

KSbO<sub>3</sub>.3H<sub>2</sub>O = 262.91

Description: white to cream coloured crystalline powder.

Reagent for Na.

Suitable for the detection of Na.

Assay ..... 99.0% min.

Pack Size: 100g

U.N Number ..... 1549

ADG Class ..... 6.1

Packing Group ..... III

**POTASSIUM ANTIMONY TARTRATE** (see Antimony Potassium Tartrate page 77)**POTASSIUM BICARBONATE** (see Potassium Hydrogen Carbonate page 303)**POTASSIUM BIPHOSPHATE, MONOBASIC** (see Potassium Dihydrogen Orthophosphate page 300)**POTASSIUM BIPHTHALATE** (see Potassium Hydrogen Phthalate page 304)**POTASSIUM BISULPHATE** (see Potassium Hydrogen Sulphate page 305)**POTASSIUM BITARTRATE** (see Potassium Hydrogen Tartrate page 306)

## POTASSIUM BROMATE



CAS 7758-01-2  
KBrO<sub>3</sub> = 167.00

U.N Number ..... 1484  
ADG Class ..... 5.1  
Packing Group ..... II

1802

## POTASSIUM BROMATE, CERTIFIED REFERENCE STANDARD, UNIPURE

Assay (Iodom.) (dried at 130°C) ..... 99.95 – 100.05%  
pH (5% Soln) ..... 5.0 – 9.0

<i>Maximum limit of impurities</i>		(%)	
Insoluble matter in H <sub>2</sub> O	0.005	Cu..	0.0005
Nitrogen Compounds (as N)	0.001	Fe	0.0005
Br	0.02	Mg	0.001
SO <sub>4</sub>	0.005	Mn	0.0005
Heavy Metals (as Pb)	0.0005	Na	0.01
Ca	0.005	Ni	0.0005
Cd	0.0005	Pb	0.0005
Co	0.0005	Zn	0.0005

Pack Size: 100g

378

## POTASSIUM BROMATE, UNIVAR

Description: white crystalline powder.

Assay ..... 99.8% min.  
pH (5% soln. @ 25°C) ..... 5.0 – 9.0

<i>Maximum limit of impurities</i>		(%)
Insol.	0.005	
Br	To pass test	
N cpds (as N)	0.001	
SO <sub>4</sub>	0.005	
Fe	0.002	
H.M. (as Pb)	0.0005	
Na	0.01	
Cl	0.05	
L.O.D.	0.1	

Chemical and physical parameters conform to FCC  
Conforms to ACS

Pack Size: 500g

353

## POTASSIUM BROMATE, UNILAB

Assay ..... 99.0% min.

<i>Maximum limit of impurities</i>		(%)
Bromide	0.05	
SO <sub>4</sub>	0.005	
H.M (as Pb)	0.002	
Fe	0.002	

Pack Size: 500g

**POTASSIUM BROMIDE**

CAS 7758-02-3  
KBr = 119.00

**379**

**POTASSIUM BROMIDE, UNIVAR**

Description: colourless crystals or crystalline powder.

Assay ..... 99.0% min.  
pH (5% soln. @ 25°C) ..... 5.8 – 8.8

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insol. ....	0.005	Na .....	0.02
BrO <sub>3</sub> .....	0.001	Ca .....	0.002
Cl .....	0.2	Mg .....	0.001
I .....	0.001	IO <sub>3</sub> .....	0.001
N cpds (as N) .....	0.005	Ca .....	0.002
SO <sub>4</sub> .....	0.005	Mg .....	0.001
Ba .....	0.002	H.M (as Pb) .....	0.0005
Fe .....	0.0005		

Conforms to ACS

Pack Size: 500g

**354**

**POTASSIUM BROMIDE, UNILAB**

Description: colourless crystals or a white, crystalline powder; odourless.

Assay (after drying) ..... 98.0 - 100.5%

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Clarity and colour of soln. ....	To pass test	Ba .....	To pass test
L.O.D. ....	1.0	H.M.(as Pb) .....	0.001
Acidity or alkalinity .....	To pass test	Fe .....	0.002
BrO <sub>3</sub> .....	To pass test	Mg & alk-earth metals (as Ca) .....	0.02
I .....	To pass test	Cl .....	0.6
SO <sub>4</sub> .....	0.01		

Chemical and physical parameters conform to BP

Pack Size: 500g

## POTASSIUM CARBONATE

CAS 584-08-7  
K<sub>2</sub>CO<sub>3</sub> = 138.21

## 380 POTASSIUM CARBONATE, anhydrous, UNIVAR

Description: white powder.  
Assay(after drying @ 285°C) ..... 99.5 – 100.5%

<i>Maximum limit of impurities</i>		(%)
Insol. ....	To pass test	NH <sub>4</sub> OH ppt, ..... 0.01
L.O.D. (@ 285°C) .....	1.0	Ca&Mg ppt. .... 0.01
Cl .....	0.003	As .....
N cpds (as N) .....	0.001	Pb .....
PO <sub>4</sub> .....	0.001	Fe .....
SiO <sub>2</sub> .....	0.005	H.M. (as Pb) .....
S cpds (as SO <sub>4</sub> ) .....	0.004	Na .....
Chemical and physical parameters conform to FCC		
Conforms to ACS		

Pack Size: 500g

## 381 POTASSIUM CARBONATE, anhydrous, UNILAB

Assay(after drying @ 285°C) ..... 99.0% min.

<i>Maximum limit of impurities</i>		(%)
L.O.D. (@ 285 °C) .....	2.5	
Cl .....	0.03	
SO <sub>4</sub> .....	0.02	
Fe .....	0.001	

Pack Size: 500g, 5kg, 25kg

## POTASSIUM CHLORATE

CAS 3811-04-9  
KClO<sub>3</sub> = 122.55

U.N Number ..... 1485  
ADG Class ..... 5.1  
Packing Group ..... II



## 382 POTASSIUM CHLORATE, UNIVAR

Description: colourless crystals.  
Assay ..... 99.5% min.

<i>Maximum limit of impurities</i>		(%)
Insol. ....	0.005	
BrO <sub>3</sub> .....	0.015	
Cl .....	0.001	
N cpds (as N) .....	0.001	
SO <sub>4</sub> .....	0.002	
Ca .....	0.002	
Mg .....	0.002	
Fe .....	0.0003	
H.M. (as Pb) .....	0.0005	
Na .....	0.01	
Conforms to ACS		

Pack Size: 500g, 5kg, 25kg

**1172 POTASSIUM CHLORATE, UNILAB**

Assay ..... 99.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.04
SO <sub>4</sub> .....	0.06
H.M. (as Pb) .....	0.001

Pack Size: 500g, 5kg

**1390 POTASSIUM CHLORATE, TECHNICAL**

Pack Size: 500g

**POTASSIUM CHLORIDE**

CAS 7447-40-7  
KCl = 74.55

**383 POTASSIUM CHLORIDE, UNIVAR**

Description: colourless crystals or crystalline powder.  
Assay (after ignition @ 500°C) ..... 99.8% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>	
Insol. ....	0.005	Ca .....0.001
Br .....	0.01	Mg .....0.001
ClO <sub>3</sub> & NO <sub>3</sub> (as NO <sub>3</sub> ) .....	0.003	H.M.(as Pb) .....0.0005
I .....	0.002	Fe .....0.0002
N cpds (as N) .....	0.001	Cu .....0.0002
PO <sub>4</sub> .....	0.0005	Pb .....0.0002
SO <sub>4</sub> .....	0.001	Na .....0.005
Ba .....	0.001	pH of 5% Solution 25°C ..... 5.4 – 8.6

Conforms to ACS

Pack Size: 500g, 2kg, 5kg, 25kg

**384 POTASSIUM CHLORIDE, UNILAB**

Description: colourless crystals or a white crystalline powder; odourless.  
Assay(dried substance) ..... 99.0 - 100.5%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Clarity & colour of soln. ....	To pass test
Acidity or alkalinity .....	To pass test
L.O.D.@ 105 °C .....	1.0
I .....	To pass test
SO <sub>4</sub> .....	0.0300
Ba .....	To pass test
H.M.(as Pb) .....	0.0010
Fe .....	0.0020
Mg & alk.-earth metals (as Ca) .....	0.0200
Br .....	0.1

Chemical and physical parameters conform to BP

Pack Size: 500g, 5kg, 25kg

**943 POTASSIUM CHLORIDE, LABCHEM**

Assay ..... 98.6% min.

**Maximum limit of impurities (%)**

Br .....	0.2
SO <sub>4</sub> .....	0.01
Ca .....	0.02
NaCl .....	1.0
Insol. ....	0.05

Pack Size: 500g

**1391 POTASSIUM CHLORIDE, Technical**

Assay ..... 98.0% min.

Pack Size: 500g

**970 POTASSIUM CHLORIDE 3.0 M SOLUTION, LABCHEM**

Description: Clear colourless liquid

Concentration ..... 2.9 – 3.1 mol/L

Filling solution for potentiometer electrodes

Store between 15°C and 25°C

Pack size: 250mL

**POTASSIUM CHROMATE**CAS 7789-00-6  
K<sub>2</sub>CrO<sub>4</sub> = 194.19U.N Number ..... 3288  
ADG Class ..... 6.1  
Packing Group ..... II**385 POTASSIUM CHROMATE, UNIVAR**

Description: bright yellow crystalline powder.

Assay ..... 99.5% min.

pH (5% soln. @ 25°C) ..... 8.6 – 9.8

**Maximum limit of impurities (%)**

Insol. ....	0.005
Cl .....	0.001
SO <sub>4</sub> .....	0.005
Ca .....	0.005
Na .....	0.02

Conforms to ACS

Pack Size: 500g

**1173 POTASSIUM CHROMATE, UNILAB**

Assay ..... 99.0% min.

**Maximum limit of impurities (%)**

Cl .....	0.05
SO <sub>4</sub> .....	0.2

Pack Size: 500g

**1174 POTASSIUM CHROMATE, TECHNICAL**

Assay ..... about 98%

Pack Size: 500g

**POTASSIUM CITRATE** (see tri-Potassium Citrate page 298)**tri-POTASSIUM CITRATE**

CAS 866-84-2

Synonyms: Potassium Citrate

 $K_3C_6H_5O_7 \cdot H_2O = 324.42$ **386 tri-POTASSIUM CITRATE, UNIVAR**

Description: colourless crystals or crystalline powder. Hygroscopic.

Assay ..... 99.0% min.

pH (5% soln.) ..... 8.0 – 9.0

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insol. ....	0.003	Fe .....	0.001
Cl .....	0.001	Na .....	0.1
C <sub>2</sub> O <sub>4</sub> .....	0.01	NH <sub>4</sub> .....	0.001
SO <sub>4</sub> .....	0.005	Pb .....	0.0005
As .....	0.00004	Readily carbonisable subs. ....	To pass test
Cu .....	0.00005	Red. subs. ....	To pass test

Pack Size: 500g

**1175 tri-POTASSIUM CITRATE, UNILAB**

Description: transparent crystals or a white granular powder; odourless; hygroscopic.

Assay (C<sub>6</sub>H<sub>5</sub>K<sub>3</sub>O<sub>7</sub>) ..... 99.0 - 101.0%H<sub>2</sub>O ..... 4.0 – 7.0%

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Clarity and colour of soln. ....	To pass test		
Acidity or alkalinity .....	2.0		
Cl .....	0.0050		
SO <sub>4</sub> .....	0.0150		
H.M. (as Pb) .....	0.0010		
C <sub>2</sub> O <sub>4</sub> .....	0.0300		
Readily carbonisable subs. ....	To pass test		
Na .....	0.3		

Chemical and physical parameters conform to BP

Pack Size: 500g, 5kg

**POTASSIUM CUPRI-TARTRATE SOLUTION** (see Fehling's Solution No. 1 page 175)

## POTASSIUM CYANIDE



CAS 151-50-8  
KCN = 65.12

U.N Number ..... 1680  
ADG Class ..... 6.1  
Packing Group ..... I

2494

## POTASSIUM CYANIDE, UNIVAR

Description: colourless crystals or crystalline powder.  
Assay ..... 96.0% min.

<i>Maximum limit of impurities</i>		(%)		
Cl .....	0.5		SO <sub>4</sub> .....	0.04
PO <sub>4</sub> .....	0.005		Fe .....	0.03
S .....	0.003		Na .....	0.5
SCN .....	0.02		Pb .....	0.0002

Conforms to ACS

Have pure breathing oxygen available  
Refer MSDS

Pack Size: 250g, 5kg

819

## POTASSIUM CYANIDE, UNILAB

Assay ..... 96.0% min.

<i>Maximum limit of impurities</i>		(%)
SO <sub>4</sub> .....	0.05	
H.M. (as Pb) .....	0.002	
Na .....	1.0	
Pb .....	0.002	
Fe .....	0.03	
Cl .....	0.5	

Have pure breathing oxygen available.  
Refer MSDS

Pack Size: 250g, 5kg

## POTASSIUM DICHROMATE



CAS 7778-50-9  
**Synonyms:** Potassium Bichromate  
K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> = 294.18

U.N Number ..... 3288  
ADG Class ..... 6.1  
Packing Group ..... III

1803

## POTASSIUM DICHROMATE, CERTIFIED REFERENCE STANDARD, UNIPURE

Assay (Iodom.) (dried at 130°C) ..... 99.95 – 100.05%  
pH (5% Soln) ..... 3.7 – 3.9

<i>Maximum limit of impurities</i>		(%)		
Insoluble matter in H <sub>2</sub> O .....	0.003		Cu .....	0.001
Suitability to COD determination .....	To pass test		Fe .....	0.001
(according to UNE 77-004-89)			Mg .....	0.0005
Cl .....	0.001		Mn .....	0.0005
SO <sub>4</sub> .....	0.01		Na .....	0.02
Ca .....	0.002		Ni .....	0.0005
Cd .....	0.0005		Pb .....	0.001
Co .....	0.0005		Zn .....	0.0005

Pack Size: 100g

**388 POTASSIUM DICHROMATE, UNIVAR**

Description: orange-red crystals or crystalline powder.  
 Assay ..... 99.8% min.

<i>Maximum limit of impurities</i>		(%)	
Insol. & NH <sub>4</sub> OH ppt.....	0.005		Na ..... 0.01
L.O.D. (105°C).....	0.05		Cu ..... 0.001
Cl.....	0.001		Fe..... 0.001
SO <sub>4</sub> .....	0.005		Pb..... 0.005
Ca.....	0.002		

Conforms to ACS

Pack Size: 500g, 5kg

**389 POTASSIUM DICHROMATE, UNILAB**

Assay ..... 99.0% min.

<i>Maximum limit of impurities</i>		(%)
Cl.....	0.005	
SO <sub>4</sub> .....	0.02	
Na.....	0.5	
Ca.....	0.005	

Pack Size: 500g, 5kg

**390 POTASSIUM DICHROMATE, TECHNICAL**

Pack Size: 500g, 3kg

**1359 POTASSIUM DICHROMATE 1/60 MOL CONCENTRATE, AMPOULES, OP**

Description: plastic ampoule containing clear yellow-reddish liquid  
 1/60 mole (4.903g K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>) to prepare 1L of 0.1N solution  
 Titer ..... 0.998 – 1.002

U.N Number ..... 3287  
 ADG Class ..... 6.1  
 Packing Group ..... III

Pack size: Ampoule

**POTASSIUM DIHYDROGEN ORTHOPHOSPHATE**

CAS 7778-77-0

Synonyms: Potassium Phosphate,monobasic, Potassium Biphosphate,monobasic  
 KH<sub>2</sub>PO<sub>4</sub> = 136.09

**391 POTASSIUM DIHYDROGEN ORTHOPHOSPHATE, UNIVAR**

Description: white crystalline powder.  
 Assay ..... 99.0 - 101.0%  
 pH (5% soln. @ 25°C) ..... 4.2 – 4.5

<i>Maximum limit of impurities</i>		(%)	
Insol. Ca & NH <sub>4</sub> OH ppt.....	0.01		Mg ..... 0.002
L.O.D. (@ 130 °C).....	0.2		Ca ..... 0.01
Cl.....	0.001		Na ..... 0.01
F.....	0.001		Cu ..... 0.0005
H.M.(as Pb).....	0.001		Pb ..... 0.0005
N cpds (as N).....	0.005		As ..... 0.0002
SO <sub>4</sub> .....	0.003		Reducing substances ..... To pass test
Fe.....	0.002		Appearance of solution ..... To pass test

Chemical and physical parameters conform to FCC and EP

Pack Size: 500g, 2kg, 5kg, 25kg

392

**POTASSIUM DIHYDROGEN ORTHOPHOSPHATE, UNILAB**

pH (5% soln.@ 25°C) ..... about 4.4  
 Assay(after drying) ..... 99.0% min.

**Maximum limit of impurities (%)**

L.O.D. (over H<sub>2</sub>SO<sub>4</sub>) ..... 0.5  
 Cl ..... 0.02  
 SO<sub>4</sub> ..... 0.05

Pack Size: 500g, 5kg, 25kg

**POTASSIUM DISULPHATE** (see Potassium Pyrosulphate page 315)**POTASSIUM FERRICYANIDE**

CAS 13746-66-2

Synonyms: Potassium Hexacyanoferrate(III)

K<sub>3</sub>Fe(CN)<sub>6</sub> = 329.25

393

**POTASSIUM FERRICYANIDE, UNIVAR**

Description: red crystals.

Assay ..... 99.0% min.

**Maximum limit of impurities (%)**

Insol.....	0.005	Co .....	0.005
Cl .....	0.01	Cu .....	0.001
SO <sub>4</sub> .....	0.01	Na .....	0.02
Ferrocyanide.....	0.05	Ni .....	0.001
Ca .....	0.0005	Pb .....	0.002
Cd .....	0.002	Zn .....	0.002

Conforms to ACS

Pack Size: 100g, 500g, 20kg

394

**POTASSIUM FERRICYANIDE, UNILAB**

Assay ..... 99.0% min.

**Maximum limit of impurities (%)**

Ferrocyanide ..... 0.1  
 Cl ..... 0.1  
 SO<sub>4</sub> ..... 0.05

Pack Size: 500g, 5kg

1176

**POTASSIUM FERRICYANIDE, TECHNICAL**

Pack Size: 500g

## POTASSIUM FERROCYANIDE

CAS 13943-58-3

Synonyms: Potassium Hexacyanoferrate(II)-3-hydrate

 $K_4Fe(CN)_6 \cdot 3H_2O = 422.39$ 

395

## POTASSIUM FERROCYANIDE, UNIVAR

Description: yellow crystals or crystalline powder.

Assay ..... 98.5 – 102.0%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Insol. ....	0.005
Cl .....	0.01
SO <sub>4</sub> .....	0.005
Pb .....	0.002
Cd .....	0.0005
Cu .....	0.002
Na .....	0.02

Conforms to ACS

Pack Size: 500g, 5kg

1177

## POTASSIUM FERROCYANIDE, UNILAB

Assay ..... 99.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.05
SO <sub>4</sub> .....	0.05

Pack Size: 500g, 5Kg

1079

## POTASSIUM FLUORIDE, UNILAB

CAS 7789-23-3

KF = 58.10

Assay ..... 99% min.

U.N Number ..... 1812

ADG Class ..... 6.1

Packing Group ..... III



<i>Maximum limit of impurities</i>	<i>(%)</i>
L.O.I (500° C, 15min) .....	0.5
Fe .....	0.005
Cl .....	0.01
SO <sub>4</sub> .....	0.05

Pack Size: 500g, 5kg, 10kg

## POTASSIUM HEXACYANOFERRATE(III) (see Potassium Ferricyanide page 301)

## POTASSIUM HEXACYANOFERRATE(II)-3-HYDRATE (see Potassium Ferrocyanide page 302)

## POTASSIUM HYDROGEN CARBONATE

CAS 298-14-6

Synonyms: Potassium Bicarbonate

KHCO<sub>3</sub> = 100.12

397

## POTASSIUM HYDROGEN CARBONATE, UNIVAR

Description: white powder.

Assay ..... 99.7 – 101.0%

**Maximum limit of impurities**

	(%)		
Insol. ....	0.01	Fe .....	0.0005
Cl .....	0.001	H.M. (as Pb) .....	0.0005
PO <sub>4</sub> .....	0.0005	Na .....	0.03
S cpds (as SO <sub>4</sub> ) .....	0.003	NH <sub>4</sub> .....	0.0005
Ca .....	0.002	As .....	0.0003
Mg .....	0.001		

Pack Size: 500g, 5kg

1178

## POTASSIUM HYDROGEN CARBONATE, UNILAB

Assay ..... 99.0% min.

pH (1% soln.) ..... 9.6 max.

**Maximum limit of impurities**

	(%)
Cl .....	0.01
Ca .....	0.05
Mg .....	0.05
R <sub>2</sub> O <sub>3</sub> ppt. ....	0.05
H.M. (as Pb) .....	0.001

Pack Size: 500g

1804

## POTASSIUM HYDROGEN DIIODATE, CERTIFIED REFERENCE STANDARD, UNIPURE



CAS 13455-24-8

KH(IO<sub>3</sub>)<sub>2</sub> = 389.92

Assay (Acidim.) (dried at 105°C) ..... 99.95 – 100.05%

Assay (Iodom.) (dried at 105°C) ..... 99.9 – 100.1%

U.N Number ..... 1479

ADG Class ..... 5.1

Packing Group ..... III

**Maximum limit of impurities**

	(%)		
Insoluble matter in H <sub>2</sub> O .....	0.005	Cr .....	0.0005
Nitrogen cpds (as N) .....	0.002	Cu .....	0.0005
BrO <sub>3</sub> , Br, ClO <sub>3</sub> , Cl (as Cl) .....	0.02	Fe .....	0.001
SO <sub>4</sub> .....	0.005	Mg .....	0.0005
I .....	0.001	Mn .....	0.0005
H.M. (as Pb) .....	0.001	Na .....	0.005
Ca .....	0.002	Ni .....	0.0005
Cd .....	0.0005	Pb .....	0.0005
Co .....	0.0005	Zn .....	0.0005

Pack Size: 100g

**di-POTASSIUM HYDROGEN ORTHOPHOSPHATE**

CAS 7758-11-4  
**Synonyms:** Potassium Phosphate,dibasic  
 $K_2HPO_4 = 174.18$

2221

**di-POTASSIUM HYDROGEN ORTHOPHOSPHATE, UNIVAR**

Description: white powder.  
 Assay(after drying) ..... 99.0 - 101.0%  
 pH (5% soln. @ 25°C) ..... 8.5 – 9.6

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insol. ....	0.01	Cu.....	0.0005
L.O.D.....	1.0	Pb.....	0.0005
Cl.....	0.003	Mg.....	0.0005
N cpds (as N).....	0.001	H.M.(as Pb).....	0.0005
F.....	0.001	Na.....	0.05
SO <sub>4</sub> .....	0.005	As.....	0.0003
Ca.....	0.005	Identification.....	To pass test
Fe.....	0.0005		

Chemical and physical parameters conform to FCC  
 Conforms to ACS

Pack Size: 500g, 5kg, 25kg

398

**di-POTASSIUM HYDROGEN ORTHOPHOSPHATE, UNILAB**

pH(5% soln.) ..... about 8.8  
 Assay(after drying) ..... 99.0% min.

<i>Maximum limit of impurities</i>		<i>(%)</i>	
L.O.D. ....	2.5		
Cl.....	0.01		
SO <sub>4</sub> .....	0.05		
H.M.(as Pb).....	0.0005		
Fe.....	0.0005		

Pack Size: 500g, 5kg, 25kg

**POTASSIUM HYDROGEN PHTHALATE**

CAS 877-24-7  
**Synonyms:** Potassium Biphthalate  
 $KOOC_6H_4COOH = 204.22$

1805

**POTASSIUM HYDROGEN PHTHALATE, CERTIFIED REFERENCE STANDARD, UNIPURE**

Assay (Acidim) (dried at 105°C) ..... 99.95 – 100.05%  
 Identity ..... IR to pass test  
 pH sol. 0.05mol/L to 25±0.2°C ..... 4.00 – 4.02

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insoluble matter in H <sub>2</sub> O.....	0.003	Cr.....	0.001
Chloride cpds (as Cl).....	0.003	Cu.....	0.0005
Nitrogen cpds (as N).....	0.001	Fe.....	0.0005
Sulphur cpds (as S).....	0.002	Mg.....	0.001
Cl.....	0.002	Mn.....	0.0005
H.M. (as Pb).....	0.0005	Na.....	0.005
Ca.....	0.001	Ni.....	0.0005
Cd.....	0.0005	Pb.....	0.0005
Co.....	0.0005	Zn.....	0.0005

Pack Size: 100g

**399 POTASSIUM HYDROGEN PHTHALATE, UNIVAR**

Description: colourless crystals or crystalline powder.

pH(0.05M @25°C) ..... 4.00 - 4.02  
Assay(after drying @ 120°C) ..... 99.8 – 100.2%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Insol. ....	0.005
Cl .....	0.003
S .....	0.002
Fe .....	0.0005
H.M. (as Pb) .....	0.0005
Na .....	0.005

Pack Size: 100g, 500g, 10kg

**1181 POTASSIUM HYDROGEN PHTHALATE, UNILAB**pH (0.05M @25°C) ..... about 4.0  
Assay ..... 99.5% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.01
SO <sub>4</sub> .....	0.06

Pack Size: 500g, 5kg

**POTASSIUM HYDROGEN SULPHATE**CAS 7646-93-7  
Synonyms: Potassium Bisulphate  
KHSO<sub>4</sub> = 136.17U.N Number ..... 2059  
ADG Class ..... 8  
Packing Group ..... II**400 POTASSIUM HYDROGEN SULPHATE, UNIVAR**

Description: colourless crystals.

Assay ..... 99.0 - 102.0%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Insol. ....	0.01
Cl .....	0.002
PO <sub>4</sub> .....	0.001
As .....	0.0005
Ca .....	0.005
Fe .....	0.002
H.M. (as Pb) .....	0.001
Na .....	0.01
H <sub>2</sub> O .....	2.5

Pack Size: 500g, 5kg

**401 POTASSIUM HYDROGEN SULPHATE, UNILAB**

Assay ..... 98.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.02
H.M.(as Pb) .....	0.005
Fe .....	0.005

Pack Size: 500g

POTASSIUM HYDROGEN TARTRATE

CAS 868-14-4

Synonyms: Cream of Tartar, Potassium Bi-Tartrate, Potassium Tartrate acid

$KHC_4H_4O_6 = 188.18$

Description: white crystalline powder.

402 POTASSIUM HYDROGEN TARTRATE, UNIVAR

Assay(after drying @ 110°C) ..... 99.5% min.  
 pH (0.5% soln. @ 25°C) ..... 3.5 – 3.8

<i>Maximum limit of impurities</i>		(%)		
Insoluble matter in H <sub>2</sub> O	.....	0.01	Pb	..... 0.001
L.O.D. (@110°C)	.....	0.05	Ni	..... 0.001
Cl	.....	0.001	Ca	..... 0.005
SO <sub>4</sub>	.....	0.01	Cu	..... 0.001
As	.....	0.0001	HM (as Pb)	..... 0.001
Fe	.....	0.001	Ammonium (NH <sub>4</sub> )	..... 0.005

Pack Size: 500g

403 POTASSIUM HYDROGEN TARTRATE, UNILAB

Assay (after drying @ 110°C) ..... 99.0% min.  
 pH (0.5% soln. @ 25°C) ..... 3.5 – 4.0

<i>Maximum limit of impurities</i>		(%)
L.O.D. (@110°C)	.....	1.0
Cl	.....	0.01
SO <sub>4</sub>	.....	0.02
Pb	.....	0.005

Pack Size: 500g

POTASSIUM HYDROXIDE



CAS 1310-58-3

Synonyms: Caustic Potash

KOH = 56.11

U.N Number ..... 1813

ADG Class ..... 8

Packing Group ..... II

405 POTASSIUM HYDROXIDE, pellets, UNIVAR

Description: white or grey, deliquescent pellets.

Assay ..... 85.0% min.

<i>Maximum limit of impurities</i>		(%)		
K <sub>2</sub> CO <sub>3</sub>	.....	2.0	Fe	..... 0.0005
Cl	.....	0.01	Pb	..... 0.0005
N cpds (as N)	.....	0.001	Ni	..... 0.0005
Na	.....	0.05	PO <sub>4</sub>	..... 0.0005
SO <sub>4</sub>	.....	0.003	H.M. (as Ag)	..... 0.001
NH <sub>4</sub> OH ppt.	.....	0.02	Al	..... 0.001
Cu	.....	0.0005	Ca	..... 0.001

Conforms to ACS

Pack Size: 500g, 1kg, 2.5kg, 5kg, 20kg

**406 POTASSIUM HYDROXIDE, pellets, UNILAB**

Description: white sticks, pellets or fused masses; dry, hard, brittle and showing a crystalline fracture; very deliquescent. Strongly alkaline and corrosive. Rapidly absorbs carbon dioxide.

Assay ..... 85.0 - 100.5%

<i>Maximum limit of impurities</i>		(%)
Appearance of solution	To pass test	Sulphate ..... 0.005
K <sub>2</sub> CO <sub>3</sub>	2.0	H.M.(as Pb) ..... 0.001
Cl	0.005	Fe ..... 0.001
Phosphate	0.002	Na. .... 1.0

Chemical and physical parameters conform to BP

Pack Size: 500g, 2.5kg, 20kg

**1072 POTASSIUM HYDROXIDE, flake, UNILAB**

Description: white deliquescent flakes.

Assay ..... 90.0% min.

<i>Maximum limit of impurities</i>		(%)
K <sub>2</sub> CO <sub>3</sub>	2.5	
Cl	0.05	
SO <sub>4</sub>	0.01	
Fe	0.001	
H.M. (as Pb)	0.005	

Pack Size: 25kg

**705 POTASSIUM HYDROXIDE 0.100M in Methanol, UNIVOL**

Non-aqueous titrant for volumetric analysis of weak acids etc.  
Molarity ..... 0.0995 - 0.1005mol/L

U.N Number ..... 1992  
ADG Class ..... 3  
Subsidiary Risk ..... 6.1  
Packing Group ..... III



Pack Size: 1L, 6 x1L, 2.5L, 20L

**1378 POTASSIUM HYDROXIDE 0.1 MOL CONCENTRATE, AMPOULE, OP**

Description: plastic ampoule containing clear colourless liquid  
0.1 mole (5.611g KOH) to prepare 1L of 0.1N solution  
Titer ..... 1.000 ± 0.002

U.N Number ..... 1814  
ADG Class ..... 8  
Packing Group ..... II

Pack size: Ampoule

**1365 POTASSIUM HYDROXIDE 0.5 MOL CONCENTRATE, AMPOULE, OP**

Description: plastic ampoule containing clear colourless liquid  
0.5 mole (28.054g KOH) to prepare 1L of 0.5N solution  
Titer ..... 1.000 ± 0.002

U.N Number ..... 1814  
ADG Class ..... 8  
Packing Group ..... II

Pack size: Ampoule

1382

### POTASSIUM HYDROXIDE 1.0 MOL CONCENTRATE, AMPOULE, OP



Description: plastic ampoule containing clear colourless liquid  
 1 mole (56.109g KOH) to prepare 1L of 1N solution  
 Titer ..... 1.000 ± 0.002

U.N Number ..... 1814  
 ADG Class ..... 8  
 Packing Group ..... II

Pack size: Ampoule

1183

### POTASSIUM HYDROXIDE FLAKE 90-92%, TECHNICAL



CAS 1310-58-3

U.N Number ..... 1813  
 ADG Class ..... 8  
 Packing Group ..... II

Pack Size: 500 g

### POTASSIUM IODATE



CAS 7758-05-6  
 KIO<sub>3</sub> = 214.00

U.N Number ..... 1479  
 ADG Class ..... 5.1  
 Packing Group ..... II

1806

### POTASSIUM IODATE, CERTIFIED REFERENCE STANDARD, UNIPURE

Assay (Iodom.) (dried at 130°C) ..... 99.95 – 100.05%  
 pH (5% Soln) ..... 5.0 – 8.0

<i>Maximum limit of impurities</i>		(%)
Insoluble matter in H <sub>2</sub> O.....	0.005	Mn.....0.0005
Co. ....	0.0005	H.M. (as Pb).....0.0005
Nitrogen Compounds (as N) .....	0.002	Na.....0.005
Cu. ....	0.0005	As.....0.0001
Bromide and Chloride (as Cl) .....	0.01	Ni .....0.0005
Fe.....	0.001	Ca. ....0.001
SO <sub>4</sub> .....	0.005	Pb. ....0.0005
Mg.....	0.001	Cd. ....0.0005
I.....	0.001	Zn. ....0.0005

Pack Size: 100g

407

### POTASSIUM IODATE, UNIVAR

Description: white crystalline powder.  
 Assay ..... 99.4 - 100.4%  
 pH (5% soln. @ 25°C)..... 5.0 – 8.0

<i>Maximum limit of impurities</i>		(%)
Insol. ....	0.005	
Fe.....	0.001	
Cl & Br (as Cl) .....	0.01	
H.M. (as Pb).....	0.0005	
I .....	0.001	
Na. ....	0.005	
N cpds (as N) .....	0.005	
SO <sub>4</sub> .....	0.005	

Conforms to ACS

Pack Size: 500g, 5kg

## 408 POTASSIUM IODATE, UNILAB

Assay ..... 99.5% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.1
I .....	0.05
SO <sub>4</sub> .....	0.05

Pack Size: 100g, 500g

## POTASSIUM IODIDE

CAS 7681-11-0  
KI = 166.00

## 409 POTASSIUM IODIDE, UNIVAR

Description: colourless crystals or a white crystalline powder; odourless.

Assay (after drying @ 150°C) ..... 99.0 – 100.5%  
pH (5% soln. @ 25°C) ..... 6.0 – 9.2

<i>Maximum limit of impurities</i>	<i>(%)</i>		<i>(%)</i>
Insol. ....	0.005	Ca .....	0.005
L.O.D. (@150°C) .....	0.2	Mg .....	0.005
Cl & Br (as Cl) .....	0.01	H.M. (as Pb) .....	0.0005
IO <sub>3</sub> .....	0.0003	Cu .....	0.0002
N cpds (as N) .....	0.001	Fe .....	0.0003
PO <sub>4</sub> .....	0.001	Pb .....	0.0002
Ba .....	0.002	Na .....	0.005
As .....	0.00002		
SO <sub>4</sub> .....	0.005		

Pack Size: 100g, 500g, 5kg, 25kg

## 410 POTASSIUM IODIDE, UNILAB

Description: colourless crystals or a white powder; odourless.

Assay (after drying ) ..... 99.0 - 100.5%

<i>Maximum limit of impurities</i>	<i>(%)</i>		<i>(%)</i>
Colour and clarity of soln. ....	To pass test	SO <sub>4</sub> .....	0.0150
Alkalinity .....	To pass test	Thiosulphate & Ba .....	To pass test
L.O.D. ....	1.0	As .....	0.0003
H.M.(as Pb) .....	0.0010	NO <sub>3</sub> .....	To pass test
Fe .....	0.0020	NO <sub>2</sub> & NH <sub>4</sub> .....	To pass test
IO <sub>3</sub> .....	To pass test		

Chemical and physical parameters conform to BP &amp; FCC

Pack Size: 500g, 5kg, 25kg

## 2396 POTASSIUM IODIDE, LABCHEM

Assay ..... 98% min.

Pack Size: 500g, 5kg

POTASSIUM METABISULPHITE

CAS 16731-55-8  
**Synonyms:** Potassium Pyrosulphite  
 $K_2S_2O_5 = 222.33$

1184 POTASSIUM METABISULPHITE, UNIVAR

Description: colourless crystals, with a strong odour of  $SO_2$ .  
 Assay ..... 96.0% min.

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insols. ....	0.005	Cu .....	0.001
Cl .....	0.005	Fe .....	0.001
Ni .....	0.001	$PO_4$ .....	0.0002
Pb .....	0.001	Thiosulphate( $S_2O_3$ ) .....	0.05
As .....	0.0001		

Pack Size: 500g, 5kg

411 POTASSIUM METABISULPHITE, UNILAB

Assay (as  $SO_2$ ) ..... 51.8 - 57.6%

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Cl .....	0.1		
H.M. ....	0.005		
Fe (as Fe) .....	0.005		

Pack Size: 5kg, 25kg

POTASSIUM NITRATE

CAS 7757-79-1  
**Synonyms:** Saltpetre  
 $KNO_3 = 101.1$

U.N Number ..... 1486  
 ADG Class ..... 5.1  
 Packing Group ..... III



412 POTASSIUM NITRATE, UNIVAR

Description: white crystalline powder  
 Assay ..... 99.0% min.  
 pH (5% soln. @ 25°C) ..... 4.5 - 8.5

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insol. ....	0.005	Mg .....	0.002
Cl .....	0.002	$R_2O_3$ ppt. ....	0.01
$IO_3$ .....	0.00050	Fe .....	0.0003
$NO_2$ .....	0.001	H.M. (as Pb) .....	0.0005
$PO_4$ .....	0.0005	Na .....	0.005
$SO_4$ .....	0.003	$IO_3$ & $NO_2$ .....	To pass test
Ca .....	0.005		

Conforms to ACS

Pack Size: 500g, 1kg, 2kg, 5kg, 25kg

## 791 POTASSIUM NITRATE, UNILAB

Description: colourless crystals, or a white crystalline powder.  
 Assay ..... 99.0 - 101.0%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Appearance of solution .....	To pass test
Reducible substances .....	To pass test
H.M. (as Pb) .....	0.001
Na .....	0.1
NH <sub>4</sub> cpds .....	To pass test
Cl .....	0.002
SO <sub>4</sub> .....	0.015
Ca .....	0.005
Fe .....	0.001
L.O.D. ....	0.5

Pack Size: 500g, 5kg, 25kg

## 949 POTASSIUM NITRATE, LABCHEM

Assay (Dry basis) ..... 98.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.05
SO <sub>4</sub> .....	0.01
Fe .....	0.05

Pack Size: 500g

## 1073 POTASSIUM NITRITE, UNILAB



CAS 7758-09-0  
 KNO<sub>2</sub> = 85.10  
 Assay ..... 97% min.

U.N Number ..... 1488  
 ADG Class ..... 5.1  
 Packing Group ..... II

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.01
SO <sub>4</sub> .....	0.02
H.M.(as Pb) .....	0.002
As .....	0.0001
Fe .....	0.001
Pb .....	0.0005

Chemical and physical parameters conform to FCC

Pack Size: 500g, 25kg

## 1392 TRIPOTASSIUM ORTHOPHOSPHATE, LABCHEM

CAS 7778-53-2  
**Synonyms:** Potassium Phosphate,tribasic  
 K<sub>3</sub>PO<sub>4</sub>.H<sub>2</sub>O = 230.29  
 Assay ..... 95% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
L.O.I. (@800°C) .....	13
Fe .....	0.002
H.M. (as Pb) .....	0.002
Cl .....	0.005
SO <sub>4</sub> .....	0.02

Pack Size: 500g

POTASSIUM OXALATE

CAS 583-52-8  
(COOK)<sub>2</sub>.H<sub>2</sub>O = 184.23

413 POTASSIUM OXALATE, UNIVAR

Description: colourless crystals or crystalline powder.  
Assay ..... 98.5 - 101.0%

<i>Maximum limit of impurities</i>		(%)	
Insol. ....	0.01		H.M. (as Pb) ..... 0.002
Neutrality .....	To pass test		Na ..... 0.02
Cl .....	0.002		NH <sub>4</sub> ..... 0.002
SO <sub>4</sub> .....	0.01		Subs. darkened by hot H <sub>2</sub> SO <sub>4</sub> ..... To pass test
Fe .....	0.001		

Conforms to ACS

Pack Size: 500g, 5kg

1186 POTASSIUM OXALATE, UNILAB

Assay ..... 98.0% min.

<i>Maximum limit of impurities</i>		(%)
Cl .....	0.01	
SO <sub>4</sub> .....	0.04	
Fe .....	0.005	

Pack Size: 500g

1074 POTASSIUM PERCHLORATE, UNIVAR



CAS 7778-74-7  
KClO<sub>4</sub> = 138.55  
Assay ..... 99.0 - 100.5%  
pH (5% soln.) ..... 6 - 8

U.N Number ..... 1489  
ADG Class ..... 5.1  
Packing Group ..... II

<i>Maximum limit of impurities</i>		(%)	
Insols. ....	0.005		Ca..... 0.005
Cl.....	0.003		Fe..... 0.0005
SO <sub>4</sub> .....	0.001		Na. .... 0.02
H.M.(as Pb).....	0.0005		

Pack Size: 500g

630 POTASSIUM PERIODATE, UNIVAR



CAS 7790-21-8  
KIO<sub>4</sub> = 230.0  
Description: Colourless crystalline powder  
Assay ..... 99.5% min.

U.N Number ..... 1479  
ADG Class ..... 5.1  
Packing Group ..... II

<i>Maximum limit of impurities</i>		(%)
Cl .....	0.01	
SO <sub>4</sub> .....	0.005	
Mn .....	0.0001	

Pack size: 100g, 500g

## POTASSIUM PERMANGANATE



414

CAS 7722-64-7  
KMnO<sub>4</sub> = 158.03

U.N Number ..... 1490  
ADG Class ..... 5.1  
Packing Group ..... II

## POTASSIUM PERMANGANATE, UNIVAR

Description: dark purple crystals with a metallic lustre; odourless. Decomposes on contact with certain organic substances.

Assay ..... 99.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Insol. ....	0.2
Cl .....	0.005
ClO <sub>3</sub> (as Cl) .....	0.005
N cpds (as N) .....	0.005
SO <sub>4</sub> .....	0.02
As .....	0.0003
Cu .....	0.002
Fe .....	0.002
Pb .....	0.003

Conforms to ACS

Pack Size: 500g, 5kg

415

## POTASSIUM PERMANGANATE, UNILAB

Description: dark purple or brownish-black, granular powder or dark purple or almost black crystals having a metallic lustre. It decomposes on contact with certain organic substances.

Assay ..... 99.0 - 100.5%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Colour of soln. ....	To pass test
Cl .....	0.0200
SO <sub>4</sub> .....	0.0500
Water-insoluble matter .....	1.0

Chemical and physical parameters conform to BP

Pack Size: 500g, 5kg, 25kg

945

## POTASSIUM PERMANGANATE, LABCHEM

Assay ..... 98.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl .....	0.1
SO <sub>4</sub> .....	0.1

Pack Size: 500g

634

## POTASSIUM PERMANGANATE, 0.02M Solution, UNIVOL

Molarity ..... 0.0199 - 0.0201mol/L

Pack Size: 500mL

1361



**POTASSIUM PERMANGANATE 0.02MOL CONCENTRATE, AMPOULE, OP**

Description: plastic ampoule containing clear dark violet liquid  
 0.02 mole (3.161g KMnO<sub>4</sub>) to prepare 1L of 0.1N solution  
 Titer ..... 0.998 – 1.002

U.N Number ..... 3082  
 ADG Class ..... 9  
 Packing Group ..... III

Pack size: Ampoule

**POTASSIUM PEROXYSULPHATE** (see Potassium Persulphate page 314)

**POTASSIUM PERSULPHATE**



CAS 7727-21-1  
 K<sub>2</sub>S<sub>2</sub>O<sub>8</sub> = 270.32

U.N Number ..... 1492  
 ADG Class ..... 5.1  
 Packing Group ..... III

2504

**POTASSIUM PERSULPHATE, UNIVAR**

Description: white powder.

Assay ..... 99% min.

**Maximum limit of impurities**

	(%)		
Insols. ....	0.005	Cd .....	0.0005
Cl .....	0.001	Cu .....	0.0005
Fe .....	0.001	Zn .....	0.0005
H.M (as Pb) .....	0.001	Pb .....	0.0005
Mn .....	0.0001		

Pack Size: 500g

2505

**POTASSIUM PERSULPHATE, Low in Nitrogen, UNIVAR**

Description: white powder.

Assay ..... 99.0% min.

**Maximum limit of impurities**

	(%)
Insol. ....	0.005
Cl cpds (as Cl) .....	0.001
Fe .....	0.0005
H.M.(as Pb) .....	0.001
Mn .....	0.0002
N cpds (as N) .....	0.001

Conforms to ACS

Pack Size: 500g

1188

**POTASSIUM PERSULPHATE, UNILAB**

Assay ..... 97% min.

**Maximum limit of impurities**

	(%)
Cl .....	0.04

Pack Size: 500g

**POTASSIUM PHOSPHATE, MONOBASIC** (see Potassium dihydrogen Orthophosphate page 301)

**POTASSIUM PHOSPHATE, DIBASIC** (see di-Potassium Hydrogen Orthophosphate page 304)

**POTASSIUM PHOSPHATE, TRIBASIC** (see tri-Potassium Orthophosphate page 311)

**2307**



**POTASSIUM POLYSULPHIDE, LABCHEM**

CAS 37199-66-9

Assay ..... 40% min

Pack Size: 500g,5kg

U.N Number ..... 3262

ADG Class ..... 8

Packing Group ..... II

**1393**

**tetra-POTASSIUM PYROPHOSPHATE, LABCHEM**

CAS 7320-34-5

$K_4P_2O_7 = 330.35$

Assay ..... 95% min.

pH (1%) ..... 10.3 min.

*Maximum limit of impurities* (%)

H.M (as Pb) ..... 0.0005

Fe ..... 0.0020

As ..... 0.0020

Pack Size: 500g

**355**

**POTASSIUM PYROSULPHATE, powder, UNIVAR**

CAS 7790-62-7

**Synonyms:** Potassium Disulphate

$K_2S_2O_7 = 254.33$

Description: white powder.

Assay ..... 97.5% min.

*Maximum limit of impurities* (%)

Insolubles ..... 0.01

Total (N) ..... 0.002

Cl ..... 0.0005

$PO_4$  ..... 0.001

Ca ..... 0.003

Fe ..... 0.0005

H.M. (as Pb) ..... 0.001

Mg ..... 0.0005

Na ..... 0.01

Al ..... 0.001

Pack Size: 500g, 5kg

**POTASSIUM PYROSULPHITE** (see Potassium Metabisulphite page 310)

## POTASSIUM SODIUM TARTRATE

CAS 304-59-6

Synonyms: Rochelle Salt, Sodium Potassium Tartrate

KNaC<sub>4</sub>H<sub>4</sub>O<sub>6</sub>·4H<sub>2</sub>O = 282.22

416

## POTASSIUM SODIUM TARTRATE, UNIVAR

Description: colourless crystals.

Assay ..... 99.0 - 102.0%

pH (5% soln. @ 25°C) ..... 6.0 – 8.5

**Maximum limit of impurities**

	(%)		
Insol. ....	0.005	Ca .....	0.004
Cl .....	0.001	Fe .....	0.0005
PO <sub>4</sub> .....	0.002	H.M. (as Pb) .....	0.0005
NH <sub>4</sub> .....	0.002	Cu .....	0.0002
Mg .....	0.002	Pb .....	0.0002
SO <sub>4</sub> .....	0.005		

Conforms to ACS

Pack Size: 500g, 2kg, 5kg, 20kg

1157

## POTASSIUM SODIUM TARTRATE, UNILAB

Assay ..... 98.0 - 104.0%

**Maximum limit of impurities**

	(%)
Cl .....	0.01
SO <sub>4</sub> .....	0.05
Fe .....	0.008
H.M. (as Pb) .....	0.001

Pack Size: 500g, 2kg, 5kg, 25kg

2405

## POTASSIUM SORBATE, UNIVAR

CAS 24634-61-5

C<sub>6</sub>H<sub>7</sub>KO<sub>2</sub> = 150.2

Description: White rod-shaped granules

Solubility: Soluble in water and alcohol. Insoluble in acetone and alcohol.

Assay (Titrimetry) ..... 99.0% min.

**Maximum limit of impurities**

	(%)
Fe .....	0.0005
Cl .....	0.0005
Ca .....	0.0005

Pack size: 500g

## POTASSIUM SULPHATE

CAS 7778-80-5  
 $K_2SO_4 = 174.26$

## 417 POTASSIUM SULPHATE, UNIVAR

Description: white powder.

Assay ..... 99.0% min.  
 pH (5%soln, @25 ° C) ..... 5.5 – 8.5

<i>Maximum limit of impurities</i>		(%)		
Insol. ....	0.01		Fe .....	0.0005
Cl .....	0.001		H.M. (as Pb) .....	0.0005
N cpds (as N) .....	0.0005		Mg .....	0.005
Na .....	0.02		Ca .....	0.01

Conforms to ACS

Pack Size: 500g, 1kg, 3kg, 5kg, 25kg

## 418 POTASSIUM SULPHATE, UNILAB

Assay ..... 98.0% min.

<i>Maximum limit of impurities</i>		(%)
Cl .....	0.01	
N cpds (as N) .....	0.002	
Fe .....	0.001	
H.M. (as Pb) .....	0.001	

Pack Size: 500g, 3kg, 5kg, 25kg

POTASSIUM SULPHOCYANIDE (see Potassium Thiocyanate page 318)

POTASSIUM TARTRATE, ACID (see Potassium hydrogen Tartrate page 306)

## 419 POTASSIUM (+)- TARTRATE, UNILAB

CAS 921-53-9

Synonyms: Potassium Hydrogen Tartrate

$K_2C_4H_4O_6 \cdot \frac{1}{2}H_2O = 235.28$

Assay ..... 99 - 102%

<i>Maximum limit of impurities</i>		(%)		
Cl .....	0.05		NH <sub>4</sub> .....	0.001
SO <sub>4</sub> .....	0.1		Cu .....	0.001
Pb .....	0.001		Zn .....	0.001
As .....	0.0003		Oxalic acid .....	0.05
Ca .....	0.01		H.M.(as Pb) .....	0.002
Fe .....	0.002			

Pack Size: 500g

## 3106 POTASSIUM TELLURITE, LABCHEM

CAS 7790-58-1

$K_2TeO_3 \cdot xH_2O = 253.79 \cdot xH_2O$

Pack Size: 10g

U.N Number ..... 3284

ADG Class ..... 6.1

Packing Group ..... II



**POTASSIUM TETRAIODOMERCURATE(II)** (see Nessler's Reagent page 263)

**POTASSIUM THIOCYANATE**

CAS 333-20-0

Synonyms: Potassium Sulphocyanide

KSCN = 97.18

421

**POTASSIUM THIOCYANATE, UNIVAR**

Description: colourless or white deliquescent crystals.

Assay ..... 99.0% min.

pH (5% soln. @ 25°C) ..... 5.3 – 8.7

<i>Maximum limit of impurities</i>		(%)		
Insol. (in alc) .....	0.01		Fe .....	0.0002
Insol. (in H <sub>2</sub> O) .....	0.005		H.M. (as Pb) .....	0.0005
Iodine consuming subs. ....	To pass test		Na .....	0.002
Cl .....	0.005		NH <sub>4</sub> .....	0.003
SO <sub>4</sub> .....	0.005			

Pack Size: 500g, 5kg, 25kg

422

**POTASSIUM THIOCYANATE, UNILAB**

Assay ..... 97.0% min.

<i>Maximum limit of impurities</i>		(%)
Cl .....	0.01	
SO <sub>4</sub> .....	0.025	
Fe .....	0.0005	

Pack Size: 500g

3107

**L-PROLINE, UNIVAR**

CAS 147-85-3

C<sub>5</sub>H<sub>9</sub>O<sub>2</sub> = 115.1

Description: White crystalline powder

Assay ..... 99.0% min.

Specific rotation ..... -84.0 to -86.0°

<i>Maximum limit of impurities</i>		(%)
H.M. (as Pb) .....	0.002	
As .....	0.0003	
L.O.D .....	0.3	
Pb .....	0.001	
R.O.I .....	0.1	

Pack size: 25g

427

## PROPAN-1,2-DIOL, UNILAB

CAS 57-55-6

Synonyms: Propylene Glycol

 $\text{CH}_3\text{CH}(\text{OH})\text{CH}_2\text{OH} = 76.10$ 

Assay ..... 99.5% min.  
 Distillation Range ..... 185 – 189°  
 Density @ 25°C ..... 1.035 – 1.037 g/mL

**Maximum limit of impurities**

	(%)		
Sulph. Ash .....	0.007	SO <sub>4</sub> .....	0.006
Acidity .....	To pass test	H.M (as Pb) .....	0.0005
H <sub>2</sub> O .....	0.2	As .....	0.0003
Chloride .....	0.007	Organic volatile impurities. ....	To pass test

Chemical and physical parameters conform to USP and FCC

Pack Size: 2.5L, 210kg, 215kg

424

## PROPAN-1-OL, UNILAB



CAS 71-23-8

Synonyms: n-Propanol, n-Propyl Alcohol

 $\text{C}_2\text{H}_5\text{CH}_2\text{OH} = 60.10$ 

For quantitative and qualitative analysis.

B.R. (95% min.) ..... 96 - 98 °C  
 Density ..... 0.803 – 0.806 g/mL

**Maximum limit of impurities**

	(%)
Non-vol. ....	0.01

Pack Size: 500mL, 2.5L, 20L

U.N Number ..... 1274

ADG Class ..... 3

Packing Group ..... II

## PROPAN-2-OL



CAS 67-63-0

Synonyms: Isopropyl Alcohol, Isopropanol, Dimethylcarbinol

 $(\text{CH}_3)_2\text{CHOH} = 60.10$ 

Density ..... about 0.78g/mL

U.N Number ..... 1219

ADG Class ..... 3

Packing Group ..... II

3457

## PROPAN-2-OL, PESTICIDE GRADE, BURDICK &amp; JACKSON, CAT. 323

High purity solvent for pesticide residue analysis &amp; gas chromatography.

Assay ..... 99.9% min.

**Maximum limit of impurities**

	(%)
GC (ECD, as Heptachlor epoxide) .....	2 µg/L
Water .....	0.06
Residue .....	1mg/L

**U.V. Absorbance:**

λ (nm)	205	225	250	300	400
Max. abs.	1.000	0.160	0.020	0.005	0.005

Pack Size: 4L

2323

PROPAN-2-OL, UNICHROM

Description: colourless liquid.  
 R.I. .... 1.378  
 Viscosity @ 20°C ..... 2.49cP  
 Specially purified for HPLC  
 Filtered through 0.45 micron filter.  
 Assay(GLC) ..... 99.7% min.

**Maximum limit of impurities (%)**  
 Non-vol. .... 0.001  
 Acidity ..... 0.01 mmol H  
 H<sub>2</sub>O (by K.F.) ..... 0.2

**U.V. Absorbance:**  
 λ (nm)      280          254          214          210  
 Max. abs.    0.03          0.07          0.6          1.0

Pack Size: 2.5L

593

PROPAN-2-OL, SPECTROSOL

Description: colourless liquid.  
 For U.V. spectroscopy.  
 Colour (APHA) ..... 10 max.  
 Assay ..... 99.5% min.

**Maximum limit of impurities (%)**  
 R.A.E. .... 0.001  
 Aldehydes&ketones(as(CH<sub>3</sub>)<sub>2</sub>CO) ..... 0.005  
 Water ..... 0.2  
 Titratable acid or bases ..... 0.01 mmol H or OH  
 Sol.in water ..... To pass test

**U.V. Absorbance: λ(nm).....Max. abs**  
 210..... 1.0  
 220 ..... 0.4  
 230 ..... 0.2  
 245 ..... 0.08  
 260 ..... 0.04  
 75 ..... 0.03  
 300 ..... 0.02  
 330-400 ..... 0.01

Conforms to ACS

Pack Size: 500mL, 2.5L

3515

ISOPROPYL ALCOHOL, HPLC GRADE, BURDICK & JACKSON, CAT. AH323



CAS 67-63-0  
 Assay ..... 99.9%

U.N Number ..... 1219  
 ADG Class..... 3  
 Packing Group ..... II

**Maximum limit of impurities (%)**  
 Water ..... 0.06  
 Residue ..... 3mg/L

**U.V. Absorbance:**  
 λ (nm)      205          225          250          300          400  
 Max. abs.    1.000          0.160          0.020          0.005          0.005

Pack Size: 4L

425

## PROPAN-2-OL, UNIVAR

Description: clear , colourless liquid with a characteristic odour.  
For qualitative and quantitative analysis.

Assay .....	99.5% min.
Colour (APHA) .....	10 max.
Refractive Index .....	1.376-1.379

<i>Maximum limit of impurities</i>	(%)		
Related substances .....	0.3	Cd .....	0.000005
R.A.E. ....	0.001	Pb .....	0.000005
Titrateable acid or base .....	0.01 mmol H or OH	Ca .....	0.00005
Sol. (in H <sub>2</sub> O) .....	To pass test	Cr .....	0.000002
Peroxides .....	To pass test	Co .....	0.000002
Na .....	0.0002	Cu .....	0.000002
H <sub>2</sub> O .....	0.2	Mn .....	0.000002
Benzene .....	0.0002	Ni .....	0.000002
Al .....	0.00001	Sr .....	0.000002
Mg .....	0.00001	Zn .....	0.00002
K .....	0.00001	Fe .....	0.00002
Ba .....	0.000005	Carbonyl Cpds .....	0.002

$\lambda$ (nm)	Abs.
230 .....	0.3
250 .....	0.1
270 .....	0.03
290 .....	0.02
310 .....	0.01

Chemical and physical parameters conform to BP  
Conforms to ACS

Pack Size: 500mL, 2.5L, 10L, 20L, 200L

426

## PROPAN-2-OL, UNILAB

R.I. ....	about 1.378
B.R.(95% min.) .....	81 - 83°C

<i>Maximum limit of impurities</i>	(%)
Non-vol. ....	0.01
Titrateable acid or base .....	0.03 mmol H or OH
Aldehydes & ketones (as (CH <sub>3</sub> ) <sub>2</sub> CO) .....	0.05

Pack Size: 500mL, 2.5L, 20L, 200L

946

## PROPAN-2-OL, LABCHEM

B.R. (95% maximum) .....	80-84°C
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<i>Maximum limit of impurities</i>	(%)
Non-volatile Cpds .....	0.005

Pack Size: 500mL

ISOPROPANOL (see Propan-2-ol page 319)

n-PROPANOL (see Propan-1-ol page 319)

2-PROPANONE (see Acetone page 43)

693

**PROPIONIC ACID, UNILAB**

CAS 79-09-4

Synonyms: Methyl Acetic Acid

 $C_2H_5COOH = 74.08$ 

Density ..... about 0.99g/mL

Assay ..... 99.5% min.

**Maximum limit of impurities (%)**

Water ..... 0.1

Pack Size: 500mL, 2.5L, 20L

U.N Number ..... 1848

ADG Class ..... 8

Packing Group ..... III

2403

**iso-PROPYL ACETATE, UNILAB**

CAS 108-21-4

Synonyms: 2-Propyl Acetate

 $CH_3COOCH(CH_3)_2 = 102.13$ 

Density ..... about 0.87g/mL

Assay ..... 97.0% min.

**Maximum limit of impurities (%)**

Non-vol. .... 0.01

Acidity (as  $CH_3COOH$ ) ..... 0.03

Pack Size: 500mL

U.N Number ..... 1220

ADG Class ..... 3

Packing Group ..... II

**2-PROPYL ACETATE** (see iso-Propyl Acetate page 322)**n-PROPYL ALCOHOL** (see Propan-1-ol page 319)**iso-PROPYL ALCOHOL** (see Propan-2-ol page 319)**iso-PROPYL ETHER** (see Di-iso-Propyl Ether page 161)**2-iso-PROPYL-5-METHYLPHENOL**(see Thymol page 394)**PROPYLENE GLYCOL** (see Propane-1,2-Diol page 319)

2446

**PUMICE STONE 5-10mm, LABCHEM**

Pack Size: 500g



## PYRIDINE

CAS 110-86-1  
 $C_5H_5N = 79.10$   
 Density .....about 0.98g/mL

U.N Number ..... 1282  
 ADG Class ..... 3  
 Packing Group ..... II

430

## PYRIDINE, UNIVAR

Description: clear liquid with a characteristic odour.  
 Assay ..... 99.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
R.A.E. ....	0.002
Sol. (in H <sub>2</sub> O) .....	To pass test
Cl .....	0.001
SO <sub>4</sub> .....	0.001
Cu .....	0.0005
NH <sub>3</sub> .....	0.002
Reducing substances .....	To pass test
H <sub>2</sub> O .....	0.1

Conforms to ACS

Pack Size: 500mL, 2.5L, 20L

431

## PYRIDINE, UNILAB

R.I. .... about 1.510  
 Assay ..... 99% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Non-vol. ....	0.01
H <sub>2</sub> O .....	0.5

Pack Size: 500mL, 2.5L, 20L

## PYROGALLIC ACID (see Pyrogallol page 323)

1191

## PYROGALLOL, Crystals, UNIVAR

CAS 87-66-1  
 $C_6H_3(OH)_3 = 126.11$   
 Description: dense, white crystals.  
 M.R. (2°C range) ..... 131 - 135°C

<i>Maximum limit of impurities</i>	<i>(%)</i>
R.A.I. ....	0.005
Cl .....	0.001
SO <sub>4</sub> .....	0.005
H.M. (as Pb) .....	0.0005
Fe .....	0.001

Protect from light  
 Conforms to ACS

Pack Size: 100g

**3257 PYRONINE Y (C.I. 45005), LABCHEM**

CAS 92-32-0  
 $C_{17}H_{19}N_2OCl = 302.8$   
 Description: lustrous green crystals  
 Absorption maximum (in 50% Ethanol) ..... 546nm

*Maximum limit of impurities (%)*  
 L.O.D ..... 4.5

Pack size: 25g

**1-PYRROLIDINEDITHIOCARBOXYLIC ACID** (see Ammonium Pyrrolidine Dithiocarbamate (844) page 73)

**PYRUVIC ACID SODIUM SALT** (see Sodium Pyruvate page 369)

**2421 QUANTOFIX® AMMONIUM TEST STICKS, OP**

For semi-quantitative determination of Ammonium in solutions.  
 Range ..... 10-400mg/L  $NH_4^+$   
 Gradation ..... 0-10-25-50-100-200-400 mg/L  $NH_4^+$   
 Colour Change ..... Yellow to orange

Pack Size: 100

**2424 QUANTOFIX® CHROMATE TEST STICKS, OP**

For semi-quantitative determination of Chromate in solutions.  
 Range ..... 3-100mg/L  $CrO_4^{2-}$   
 Gradation ..... 0-3-10-30-100 mg/L  $CrO_4^{2-}$   
 Colour Change ..... white to violet

Pack Size: 100

**2425 QUANTOFIX® COPPER TEST STICKS, OP**

For semi-quantitative determination of Copper in solutions.  
 Range ..... 10-300mg/L  $Cu^+/Cu^{2+}$   
 Gradation ..... 0-10-30-100-300 mg/L  $Cu^+/Cu^{2+}$   
 Colour Change ..... white to red-violet

Pack Size: 100

**2426 QUANTOFIX® CYANIDE TEST STICKS, OP**

For semi-quantitative determination of Cyanide in solutions.  
 Range ..... 1-30mg/L  $CN^-$   
 Gradation ..... 0-1-3-10-30 mg/L  $CN^-$   
 Colour Change ..... white to red-violet

Pack Size: 100

**2423 QUANTOFIX® MOLYBDATE TEST STICKS, OP**

For semi-quantitative determination of Molybdenum in solutions.  
 Range ..... 5-250mg/L  $Mo^{6+}$   
 Gradation ..... 0-5-20-100-250 mg/L  $Mo^{6+}$   
 Colour Change ..... white to green

Pack Size: 100

**2432 QUANTOFIX® NITRATE/NITRITE TEST STICKS, OP**

For semi-quantitative determination of Nitrite in solutions.

Range ..... 1-500mg/L  $\text{NO}_3^-$   
 Gradation ..... 0-10-25-50-100-250-500mg/L  $\text{NO}_3^-$   
 Range ..... 1-80mg/L  $\text{NO}_2^-$   
 Gradation ..... 0-1-5-10-20-40-80mg/L  $\text{NO}_2^-$   
 Colour Change ..... white to red-violet

**Pack Size: 100**

**2419 QUANTOFIX® NITRITE TEST STICKS, OP**

For semi-quantitative determination of Nitrite in solutions.

Range ..... 1-80mg/L  $\text{NO}_2^-$   
 Gradation ..... 0-1-5-10-20-40-80mg/L  $\text{NO}_2^-$   
 Colour Change ..... white to red-violet

**Pack Size: 100**

**2418 QUANTOFIX® NITRITE 3000 TEST STICKS, OP**

For semi-quantitative determination of high concentrations of Nitrite in solutions.

Range ..... 0.1-3g/L  $\text{NO}_2^-$   
 Gradation ..... 0-0.1-0.3-0.6-1-2-3g/L  $\text{NO}_2^-$   
 Colour Change ..... Yellow to red

**Pack Size: 100**

**2429 QUANTOFIX® PEROXIDE 100 TEST STICKS, OP**

For semi-quantitative determination of Hydrogen Peroxide ( $\text{H}_2\text{O}_2$ ) and peroxides in solutions.

Range ..... 1-100mg/L  $\text{H}_2\text{O}_2$   
 Gradation ..... 0-1-3-10-30-100 mg/L  $\text{H}_2\text{O}_2$   
 Colour Change ..... white to blue

**Pack Size: 100**

**2420 QUANTOFIX® SULPHITE TEST STICKS, OP**

For semi-quantitative determination of Sulphite in solutions.

Range ..... 10-1000mg/L  $\text{SO}_3^-$   
 Gradation ..... 0-10-25-50-100-250-500-1000 mg/L  $\text{SO}_3^-$   
 Colour Change ..... white to salmon

**Pack Size: 100**

**2422 QUANTOFIX® ZINC TEST STICKS, OP**

For semi-quantitative determination of Zinc ( $\text{Zn}^{2+}$ ) in solutions.

Range ..... 2-100mg/L  $\text{Zn}^{2+}$   
 Gradation ..... 0-2-5-10-25-50 mg/L  $\text{Zn}^{2+}$   
 Colour Change ..... orange to red

**Pack Size: 100**

1192

### QUINHYDRONE, UNIVAR



CAS 106-34-3

$C_6H_4O_2 \cdot C_6H_4(OH)_2 = 218.21$

Description: lustrous dark green crystalline powder.

Suitable for pH determination.

M.P. .... 168 171°C

1,4-Benzoquinone ..... 48-52%

Hydroquinone ..... 48-52%

**Maximum limit of impurities (%)**

Insol. (in alc.) ..... 0.02

Sulph. Ash ..... 0.1

U.N Number ..... 2811

ADG Class ..... 6.1

Packing Group ..... III

Iron ..... 0.001

Sulphate ..... 0.01

Pack Size: 100g

261

### QUINOL, UNILAB



CAS 123-31-9

Synonyms: Hydroquinone

$C_6H_4(OH)_2 = 110.11$

M.P. .... 171°C

**Maximum limit of impurities (%)**

Sulph. Ash ..... 0.1

Fe ..... 0.001

H.M. (as Pb) ..... 0.001

H<sub>2</sub>O ..... 1.0

U.N Number ..... 2662

ADG Class ..... 6.1

Packing Group ..... III

Pack Size: 500g, 5kg

1194

### QUINOLINE, UNILAB



CAS 91-22-5

$C_9H_7N = 129.16$

Description: Hygroscopic liquid. Darkens on storage in ordinary stoppered bottle.

Penetrating odour, not as offensive as pyridine. Protect from light and moisture.

Assay ..... 96% min.

Density (@ 20°C) ..... about 1.09g/mL

U.N Number ..... 2656

ADG Class ..... 6.1

Packing Group ..... III

Pack Size: 500mL

**8-QUINOLINOL** (see 8-Hydroxyquinoline page 204)

**QUINONE** (see p-Benzoquinone page 89)

**RED LEAD** (see Lead Oxide, red page 222)

**RANKINS INDICATOR SOLUTION** (see Sulphur dioxide indicator page 386)