

1142

1-NAPHTHOL, UNIVAR



CAS 90-15-3

Synonyms: 1-Naphthalenol, 1-HydroxynaphthaleneC₁₀H₇OH = 144.17

Description: white to light pink crystals or crystalline powder.

Assay 99% min.

M.P. 94-97°C

U.N Number 1759

ADG Class 8

Packing Group III

Maximum limit of impurities (%)

Water (Karl Fischer) 0.2

Sulph. Ash 0.05

Fe 0.001

Cl 0.005

H.M. (as Pb) 0.001

Naphthalene(GC) 0.2

2-Naphthol (GC) 0.5

Pack Size: 100g

1143

2-NAPHTHOL, UNIVAR



CAS 135-19-3

Synonyms: 2-Naphthalenol, 2-HydroxynaphthaleneC₁₀H₇OH = 144.17

Description: white to light pink crystals or crystalline powder.

Assay 99.0% min.

M.P. 120 - 124°C

U.N Number 2811

ADG Class 6.1

Packing Group II

Pack Size: 100g

2747

NAPHTHOL GREEN B (C.I. 10020), LABCHEM

CAS 19381-50-1

Synonyms: Acid Green 1C₃₀H₁₅FeN₃Na₃O₁₅S₃ = 878.5

Description: Yellowish green coloured powder

pH (1% Aqueous soln. @ 25°C) 8.9 – 9.3

Pack size: 50g

766

1-NAPHTHYLACETIC ACID, LABCHEM

CAS 86-87-3

C₁₀H₇CH₂COOH = 186.21

Assay 96% min.

M.P. 129-132°C

Maximum limit of impurities (%)

2-Naphthylactic Acid 3.0

Pack Size: 25g

3077

N-(1-NAPHTHYL)-ETHYLENEDIAMMONIUM DICHLORIDE, OP

CAS 1465-25-4

(C₁₀H₇NH₂CH₂CH₂NH₃)Cl₂ = 259.18

Assay (ex N) 99% min.

Maximum limit of impurities (%)

Sulph.ash 0.2

Suitability for detection of

Sulphonamides To pass test

Pack Size: 5g

NATURAL RED 28 (see Orcein page 272)**668****NESSLER'S REAGENT, LABCHEM****Synonyms:** Potassium Tetraiodomercurate(II)

For the detection of ammonium salts.

Mercury(II) chloride solution.

U.N Number 3287

ADG Class 6.1

Packing Group III

Pack Size: 500mL**2518****NEUTRAL BUFFERED FORMALIN, LABCHEM**

A micro anatomical fixative for preservation of specimens.

Appearance Clear (APHA) 10 max.

Formaldehyde 3.9 - 4.2% w/v

pH (@ 25°C) 6.8 - 7.2

Pack Size: 500mL, 5L, 20L**2653****NEUTRAL BUFFERED FORMALIN, self indicating, LABCHEM**

A micro anatomical fixative for preservation of specimens, tinted pale purple. Change the solution if colour is yellow, which indicates an acidic, inactive fixative.

Formaldehyde Content 3.9 - 4.2% w/v

pH @ 25°C 6.8 - 7.2

Pack Size: 6X2.5L, 20L**2355****NEUTRAL RED (CI 50040), LABCHEM****CAS** 553-24-2**Synonyms:** Basic Red 5C₁₅H₁₇ClN₄ = 288.78

Adsorption, pH and redox indicator.

Visual Transition Interval pH 6.8 (red) to pH 8.0 (yellow)

Transition EMF (@ pH=0) +0.24V

Transition EMF (@ pH=7) -0.29V

Colour change Oxidised (purple) to reduced (colourless)

Pack Size: 25g**1841****NEUTRAL RED SOLUTION, LABCHEM**

1% aqueous solution

Pack Size: 1L, 5L**2644****NICKEL 1000ppm SINGLE ELEMENT ICP STANDARD, UNIPURE**

A 1000 ppm Nickel standard, ready for use.

Ni in 0.5% Nitric acid.

U.N Number 3264

ADG Class 8

Packing Group III

Traceable to NIST**Pack Size:** 100mL

2635

NICKEL NITRATE AAS STANDARD, SPECTROSOL



A 1000 ppm nickel standard, ready for use.
Each mL contains 1.00 +/-0.005mg of Ni in 0.5% nitric acid.

U.N Number 3264
ADG Class 8
Packing Group III

Traceable to NIST

Pack Size: 500mL

1504

NICKEL ACETATE, UNILAB

CAS 373-02-4
(CH₃COO)₂Ni.4H₂O = 248.86
Assay 98% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl	0.01
SO ₄	0.05
Fe	0.01
Co	0.1

Pack Size: 500g

NICKEL AMMONIUM SALTS (see Ammonium nickel salts page 70)

338

NICKEL CARBONATE, UNILAB

CAS 39430-27-8 3333-67-2
Approx. NiCO₃.2Ni(OH)₂.4H₂O
Assay (Ni) 44.0 - 50.0%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Cl	0.02
Co	0.1
Fe	0.01

Pack Size: 500g, 10kg

NICKEL CHLORIDE



CAS 7718-54-9
NiCl₂.6H₂O = 237.71

U.N Number 3288
ADG Class 6.1
Packing Group III

829

NICKEL CHLORIDE, UNIVAR

Description: green crystals or crystalline powder.
Assay 99% min.
pH (5% soln.) 3.5 min.

<i>Maximum limit of impurities</i>	<i>(%)</i>	
Insolubles	0.005	Cu 0.005
SO ₄	0.02	Fe 0.002
Zn	0.005	Na 0.005
Ca.....	0.005	Pb 0.003
Cd	0.002	K 0.01
Co	0.005	

Pack Size: 500g

830

NICKEL CHLORIDE, UNILAB

Assay 97.0% min.

Maximum limit of impurities (%)SO₄ 0.02
Fe 0.02

Product solidifies on storage.

Pack Size: 500g**NICKEL NITRATE**CAS 13138-45-9
Ni(NO₃)₂·6H₂O = 290.81U.N Number 2725
ADG Class 5.1
Packing Group III

1144

NICKEL NITRATE, UNIVAR

Description: green crystals or crystalline powder.

Assay 98.0% min.

pH (5% soln.) 3.5 min.

Maximum limit of impurities (%)Insol. 0.003
Cl 0.001
SO₄ 0.005
Ca 0.02
Cd 0.002
Pb 0.002
Cu 0.002
Fe 0.0005
K 0.005
Na 0.01**Pack Size:** 500g

339

NICKEL NITRATE, UNILAB

Assay 97.0% min.

Maximum limit of impurities (%)Cl 0.04
SO₄ 0.1
Fe 0.05
Pb 0.05**Pack Size:** 500g

NICKEL SULPHATE

CAS 7786-81-4
NiSO₄.6H₂O = 262.86

831

NICKEL SULPHATE, UNIVAR

Description: Green crystals or crystalline powder.
Assay min 99 %.
pH (5%) 4-6

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Insol.	0.005	Pb	0.003
Cl	0.001	Ca	0.005
N cpds. (as N)	0.002	Cu	0.002
Co	0.002	K	0.005
Mn	0.0005	Mg	0.005
Fe	0.001	Na	0.01

Conforms to ACS

Pack Size: 500g

832

NICKEL SULPHATE, UNILAB

Assay 96.0% min.

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Cl	0.04		
Fe	0.005		

Pack Size: 500g

2369

NICOTINIC ACID, UNILAB

CAS 59-67-6
Synonyms: Vitamin B
C₅H₄NCOOH = 123.11
Assay (after drying) 99.0% min.
M.P. 234-237°C

<i>Maximum limit of impurities</i>		<i>(%)</i>	
Sulph. Ash	0.1		
Pb	0.001		
H ₂ O	0.5		

Pack Size: 100g

3243

NIGROSINE (C.I. 50420), LABCHEM

CAS 8005-03-6
Description: Blackish blue crystalline powder

Pack size: 25g, 100g

801

NINHYDRIN, UNIVAR

CAS 485-47-2

Synonyms: Indanetrione Hydrate, 1,2,3-Triketohydrindene MonohydrateC₉H₄O₃·H₂O = 178.14

Reagent for amino acids.

Description: White to brownish-white crystals or crystalline powder.

Identification and M.P. To pass test

Maximum limit of impurities (%)Sol. (in H₂O) To pass test

Sensitivity to amino acids To pass test

Conforms to ACS

Pack Size: 5g, 25g, 500g**NITRIC ACID**

CAS 7697-37-2

HNO₃ = 63.01

U.N Number 2031

ADG Class 8

Packing Group II



1404

NITRIC ACID, EXTRA PURE, UNIPURE

Assay 67 - 70%

Maximum limit of impurities (ppb):

Al	1	Mn	1
Sb	1	Hg	1
As	1	Mo	1
Ba	1	Ni	1
Be	1	K	1
Bi	1	Se	1
B	1	Ag	1
Cd	1	Na	1
Ca	1	Sr	1
Cr	1	Th	1
Co	1	Sn	1
Cu	1	Ti	1
Fe	1	U	1
Pb	1	V	1
Li	1	Zn	1
Mg	1	Zr	1

Pack size: 500mL, 2.5L

**HIGH
PURITY
SOLVENTS**

UNICHROM

BURDICK & JACKSON

- GC
- HPLC
- PESTICIDE
- SPECTROPHOTOMETRIC
- BIOSYNTHETIC

See page 30 or Contact our customer service for details

341 NITRIC ACID 70%, UNIVAR

Description: colourless liquid, free from suspended matter or sediment. May darken during storage due to a photochemical reaction.

Density about 1.42g/mL
 Assay 68.0 - 70.0% w/w
 Colour (APHA) 10 max.

<i>Maximum limit of impurities</i>		(%)		
R.A.I.	0.0005		Mn	0.000001
Cl	0.00005		Sr	0.000002
SO ₄	0.0001		Mo	0.000002
PO ₄	0.00005		Cu	0.000002
SiO ₂	0.00005		Cd	0.000002
Al	0.00001		Ba	0.000005
Zn	0.00001		Cr	0.000005
K	0.00002		Pb	0.000005
Mg	0.00002		Ni	0.000005
Fe	0.00002		Ca	0.0001
As	0.000001		Na	0.0003
Co	0.000001		Heavy metals (as Pb)	0.00002

Conforms to ACS

Pack Size: 500mL, 2.5L, 15L, 200L

937 NITRIC ACID 70%, LABCHEM

Assay 67.0% w/w min.

<i>Maximum limit of impurities</i>		(%)
Cl	0.001	
SO ₄	0.001	
Heavy metals (as Pb)	0.001	

Pack Size: 500mL, 2.5L GL, 2.5L PL

1380 NITRIC ACID 70%W/W, TECHNICAL

Density about 1.42g/mL
 Appearance: Colourless to straw.
 Assay 69 - 71% w/w

Pack Size: 2.5L, 15L, 200L 1000L

1605 NITRIC ACID 9.5% (ACE-3170), TECHNICAL



Colourless liquid, free from suspended matter or sediment.
 Density (@ 20 °C) 1.0508 - 1.0529g/mL

U.N Number 3264
 ADG Class 8
 Packing Group II

<i>Maximum limit of impurities</i>		(%)		
Chloride	0.00001		Fe	0.002
Nitrite	0.0004		Pb	0.002
R.O.I.	0.00005		Mn	0.001
Cd	0.001		Ni	0.002
Cr	0.002		Zn	0.002
Cu	0.001		Hg	0.0000001

Pack Size: 200L

342

NITRILOTRIACETIC ACID, UNILAB

CAS 139-13-9
 $N(CH_2COOH)_3 = 191.14$
 Assay 99% min.

Maximum limit of impurities (%)
 SO_4 0.07
 L.O.D 0.5

Pack Size: 100g

NITROBENZENE

CAS 98-95-3
Synonyms: Nitrobenzol, Mirbane Oil
 $C_6H_5NO_2 = 123.11$
 Densityabout 1.2g/mL

U.N Number 1662
 ADG Class 6.1
 Packing Group II

345

NITROBENZENE, UNIVAR

Description: pale yellow liquid with a characteristic odour.
 R.I. about 1.553
 Assay 99.0% min.

Maximum limit of impurities (%)
 R.A.E. 0.005
 Water-sol. titratable acid 0.0005 meq/g
 Cl 0.0005

Conforms to ACS

Pack Size: 500mL, 2.5L

346

NITROBENZENE, UNILAB

Assay 99.0% min.

Maximum limit of impurities (%)
 Free Acid (HNO_3) 0.005

Pack Size: 2.5L

1147

4-NITROBENZOIC ACID, UNILAB

CAS 62-23-7
 $NO_2C_6H_4COOH = 167.12$
 Assay 99.0% min.
 M.P. 238-242°C

Maximum limit of impurities (%)
 Sulph. Ash 0.1

Pack Size: 500g

NITROBENZENOL (see Nitrobenzene page 269)

NITROCARBOL (see Nitromethane page 270)

712

NITROMETHANE, UNILAB

CAS 75-52-5

Synonyms: Nitrocarbol

CH₃NO₂ = 61.04

R.I about 1.382

B.R. (95% min.) 98 - 100 °C

Density 1.13 - 1.14 g/mL

Assay (GC) 99% min.

U.N Number 1261

ADG Class 3

Packing Group II

Pack Size: 500mL

3086

4-NITROPHENOL, OP

CAS 100-02-7

C₆H₄OHNO₂ = 139.11

pH indicator.

U.N Number 1663

ADG Class 6.1

Packing Group III

Pack Size: 25g

OCTADECANOIC ACID (see Stearic Acid page 380)**iso-OCTANE** (see 2,2,4-Trimethylpentane page 405)

2341

1-OCTANE SULPHONIC ACID, 0.25M in acetic acid, UNICHROM

Specially purified for HPLC. An ion-pairing reagent for the separation of basic compounds.

U.N Number 2920

ADG Class 8

Subsidiary Risk 3

Packing Group II



Pack Size: 5X20mL

2417

1-OCTANE SULPHONIC ACID SODIUM SALT, UNICHROM

CAS 5324-84-5

C₈H₁₇SO₃Na = 216.26

Specially purified for HPLC. An ion-pairing reagent for the separation of basic compounds.

Assay 99% min.

Pack Size: 10g

2465

n-OCTANOIC ACID, UNILAB

CAS 124-07-2

C₈H₁₆O₂ = 144.21

Description: Pale yellow oily liquid

Assay 99.0% min.

Pack size: 250mL

n-OCTANOL (see Octan-1-ol page 271)

sec-OCTANOL (see Octan-2-ol page 271)

2370

OCTAN-1-OL, UNILAB

CAS 111-87-5

Synonyms: n-Octanol

$\text{CH}_3(\text{CH}_2)_7\text{OH} = 130.23$

Assay 99.0% min.
Density about 0.827 asg/mL
R.I about 1.429
Boiling Point (760mm) 196°C
Colour (APHA) 10

Maximum limit of impurities (%)
R.A.E 0.01
Titrable acid 0.0002 meq/g

Conforms to ACS

Pack Size: 500mL, 2.5L

2379

OCTAN-2-OL, LABCHEM

CAS 123-96-6

Synonyms: Capryl Alcohol, sec-Octanol

$\text{CH}_3(\text{CH}_2)_5\text{CHOHCH}_3 = 130.23$

Assay (GC) 97% min.
Density about 0.810 g/mL

Maximum limit of impurities (%)
N.V.M. 0.01

Pack Size: 500mL

iso-OCTANE (see 2,2,4-Trimethylpentane page 405)

n-OCTYL ALCOHOL (see Octan-1-ol page 271)

sec-OCTANOL (see Octan-2-ol page 271)

3762

OCTYL SULPHATE, SODIUM SALT, for HPLC, OP

CAS 142-31-4

$\text{CH}_3(\text{CH}_2)_7\text{OSO}_3\text{Na} = 232.28$

Assay 99.0% min.
U.V. max. absorption 250nm

Maximum limit of impurities (%)
L.O.D 2.0
Cl 0.05

Pack size: 5g

OIL RED (see Scarlet R page 330)

3248 OIL RED O (C.I. 26125), LABCHEM

CAS 1320-06-5
 $C_{26}H_{24}N_4O = 408.51$
 Appearance: Reddish brown powder

Pack size: 25g

1151 OLEIC ACID, UNILAB

CAS 112-80-1
 $C_{17}H_{33}COOH = 282.47$
 Congealing point about 8°C
 Acid-value 195 – 204
 Iodine value 86-97
 Cloud point 10°C
 Colour 5¼ / 11.0Y/1.3R

Pack Size: 500mL, 2.5L

ORANGE IV (see Tropaeolin OO page 408)

3246 ORANGE G (CI 16230), OP

CAS 1936-15-8
Synonyms: Acid Orange 10
 Stain for microscopy.

Pack Size: 50g, 1Kg

3247 ORCEIN, OP

CAS 1400-62-0
Synonyms: Natural Red 28

Pack Size: 25g

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See Pages 34 & 35 for Cat No's

ORTHOPHOSPHORIC ACID



CAS 7664-38-2

Synonyms: Phosphoric Acid

H₃PO₄ = 98.00

Densityabout 1.70g/mL

U.N Number 1805

ADG Class 8

Packing Group III

371

ORTHOPHOSPHORIC ACID 85%, UNIVAR

Description: clear, viscous liquid; odourless.

Assay 85.0% w/w min.

Colour (APHA) 10 max.

Maximum limit of impurities

	(%)		(%)
Cl	0.0003	Cd	0.0001
NO ₃	0.0005	As	0.0001
SO ₄	0.003	Zn	0.0002
Silicate (SiO ₂)	0.005	Pb	0.0002
Volatile acids (asCH ₃ COOH)	0.001	Ni	0.0005
K	0.001	Sb	0.0005
Na	0.001	Ca	0.002
Reducing substances	To pass test	Mn	0.0005
Fe	0.0015	Insol. Matter	0.001
Cu	0.0001	H.M. (as Pb)	0.001
Co	0.0001	Mg	0.002

Conforms to ACS

Pack Size: 500mL, 2.5L, 20L

372

ORTHOPHOSPHORIC ACID 85%, UNILAB

Assay 84.0% w/w min.

Maximum limit of impurities

	(%)
Cl	0.001
NO ₃	0.002
SO ₄	0.01
Ca & Mg ppt.	0.01
Fe	0.01

Pack Size: 500mL, 2.5L, 20L

369

OSMIC ACID, LABCHEM



CAS 20816-12-0

Synonyms: Osmium Tetroxide

OsO₄ = 254.20

Suitable for EM work.

Appearance: Yellow monoclinic crystals.

M.P. 39.5°C

B.P. 130°C (sublimes)

Assay 99.95% min.

U.N Number 2471

ADG Class 6.1

Packing Group I

Maximum limit of impurities

	(%)
Ru (DCP-AES)	0.002
H ₂ O	0.004
NVM	0.002

Store below 4°C (refrigerate do NOT freeze)

Pack Size: 0.1g, 1g

OSMIUM TETROXIDE (see Osmic Acid page 273)**OXALIC ACID**

CAS 144-62-7

Synonyms: Ethanedioic acid dihydrate; Oxalic acid dihydrate
(COOH)₂·2H₂O = 126.07

U.N Number 1759

ADG Class 8

Packing Group II

350**OXALIC ACID, UNIVAR**

Description: colourless crystals or crystalline powder.

Assay 99.5 - 102.5%

<i>Maximum limit of impurities</i>	<i>(%)</i>
Insol.	0.005
R.A.I.	0.01
Cl	0.002
N cpds (as N)	0.001
SO ₄	0.005
Ca	0.001
Fe	0.0002
H.M. (as Pb)	0.0005
Subs. darkened by hot H ₂ SO ₄	To pass test
Conforms to ACS	

Pack Size: 500g, 5kg, 25kg**351****OXALIC ACID, UNILAB**

Assay 99.0% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Sulph. Ash	0.05
Cl	0.002
SO ₄	0.05
Fe	0.001
H.M. (as Pb)	0.002

Pack Size: 500g**1152****OXALIC ACID, TECHNICAL****Pack Size:** 500g, 3kg**1395****OXALIC ACID 0.05MOL CONCENTRATE, AMPOULE, OP**Description: plastic ampoule containing clear colourless liquid
0.05 mole (6.303g C₂H₂O₄) to prepare 1L of 0.1N solution

Titer 0.998 – 1.002

Pack size: Ampoule**OXINE** (see 8-Hydroxyquinoline page 204)**OXITOL** (see 2-Ethoxyethanol page 168)**OXYMETHYLENE** (see Formaldehyde page 177)

1505

PALMITIC ACID, UNILAB

CAS 57-10-3

Synonyms: Hexadecanoic AcidCH₃(CH₂)₁₄COOH = 256.43

Assay (GC) 98% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Stearic acid (GC)	1
Iodine number	0.5
Acid number	240
Saponification number	240

Pack Size: 500g

1842

PAPANICOLAOU STAIN EA50, LABCHEM

Eosin (0.2%) in a solution of Light Green (0.06%) and Phosphotungstic acid (0.2%) in alcohol solution.

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

**Pack Size:** 1L, 5L

1843

PAPANICOLAOU STAIN EA 65, LABCHEM

Eosin (0.2%) in a solution of Light Green (0.06%) and Phosphotungstic acid (0.2%) in alcohol solution.

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

**Pack Size:** 1L, 5L

1844

PAPANICOLAOU STAIN OG 6, LABCHEM

Orange G (0.5%) in a solution of Phosphotungstic acid (0.02%) in alcohol solution.

U.N Number 1170
 ADG Class 3
 Packing Group II

Pack Size: 1L, 5L

356

PARAFFIN LIQUID, LABCHEM

CAS 8012-95-1

Synonyms: Paraffin Oil

Density 0.87 0.89g/mL

Pack Size: 500mL, 2.5L, 20L**PARAFFIN OIL** (see Paraffin Liquid page 275)

PARAFFIN WAX

CAS 8002-74-2

3250 PARAFFIN WAX, pastillated, OP

M.P.52°C.

Pack Size: 1kg

3251 PARAFFIN WAX, pastillated, OP

Specially purified for histological embedding.

M.P.56-58°C

Pack Size: 1Kg

PENTAMETHYLENE AMINE (See Piperidine page 290)**2,4-PENTANDIONE** (See Acetylacetone page 48)**n-PENTANE**

CAS 109-66-0

CH₃(CH₂)₃CH₃ = 72.15

Density about 0.62 g/mL

U.N Number 1265

ADG Class ... 3

Packing Group I

3483 n-PENTANE, HPLC, GC, PEST, BURDICK & JACKSON, CAT. 312Greater than 98.0% n-pentane and 99.9% n-pentane and saturated C₅ hydrocarbons by GC analysis.

<i>Maximum limit of impurities</i>	<i>(%)</i>
H ₂ O	0.01
Residue	1mg/L
GC (EC, as heptachlor epoxide)	10ng/L

U.V. Absorbance:

λ (nm)	190	200	250	300	400
Max. abs.	1.000	0.600	0.010	0.005	0.005

Pack Size: 4L

632 n-PENTANE, UNIVAR

Description: clear volatile liquid.

Assay(GC) 99.0 % w/w min.

R.I. 1.356 – 1.359

<i>Maximum limit of impurities</i>	<i>(%)</i>
Non-vol.	0.002
Acidity (as CH ₃ COOH)	0.002

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

1153

n-PENTANE, UNILAB

Assay 99% min.
 B.R.(95% min.) 34 – 37°C

Maximum limit of impurities (%)
 Non-vol. 0.005

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

1521

iso-PENTANE, UNILAB

CAS 78-78-4
 $\text{CH}_3(\text{CH}_2)_3\text{CH}_3 = 72.15$
 Density about 0.62g/mL
 B.R.(95% min.) 27 - 30°C
 Assay 95% min.
 Colour (APHA) 10 max.

Maximum limit of impurities (%)
 Non-vol. 0.005

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

U.N Number 1265
 ADG Class 3
 Packing Group I

2338

1-PENTANE SULPHONIC ACID, 0.25 mol/L in acetic acid, UNICHROM

Specially purified for HPLC. An ion-pairing reagent for the separation of basic compounds.
 Non-volatile matter 42.8 - 44.2mg/mL
 UV absorbance 1.0 max (@ 354 nm)

Pack Size: 5X20mL

U.N Number 2920
 ADG Class 8
 Subsidiary Risk 3
 Packing Group II



2414

1-PENTANE SULPHONIC ACID SODIUM SALT, UNICHROM

CAS 22767-49-3
 $\text{C}_5\text{H}_{11}\text{SO}_3\text{Na} = 174.19$
 Specially purified for HPLC. An ion-pairing reagent for the separation of basic compounds.
 Appearance: White flakes
 Assay 98% min.

Pack Size: 10g

PENTAN-1-OL

CAS 71-41-0

Synonyms: n-Amyl Alcohol

CH₃(CH₂)₃CH₂OH = 88.15

Densityabout 0.81g/mL

U.N Number 1105

ADG Class 3

Packing Group III

1357**PENTAN-1-OL, UNIVAR**

Assay 98.0% min.

Colour (APHA) 30

Maximum limit of impurities (%)

Acids and Esters 0.075 meq/g

Carbonyl compounds (HCHO) 0.1

Residue after Evaporation 0.003

Water 0.05

Pack size: 500mL**63****PENTAN-1-OL, UNILAB**

Assay (GC) 99% min.

Colour (APHA) 15 max.

Maximum limit of impurities (%)

R.I about 1.410

Water 0.2% max.

Pack Size: 500mL, 2.5L**iso-PENTYL ALCOHOL**(see iso-Amyl Alcohol page 75)**iso-PENTYL ACETATE** (see iso-Amyl Acetate page 75)**2331****PEPTONE, bacteriological, LABCHEM**

High purity for general bacteriological work.

Pack Size: 250g

359

PERCHLORIC ACID 70%, UNIVAR



CAS 7601-90-3

HClO₄ = 100.46

Description: clear, viscous liquid; odourless.

Density about 1.70g/mL

Assay 69.0 - 72.0% w/w

Colour (APHA) 10 max.

U.N Number 1873

ADG Class 5.1

Subsidiary Risk 8

Packing Group I

**Maximum limit of impurities****(%)**

R.A.I.	0.003	Mo	0.000005
Cl	0.001	Cd	0.00005
N cpds (as N)	0.001	Ca	0.00005
HM (as Pb)	0.0001	Mg	0.00005
SiO ₂ & PO ₄ (as SiO ₂)	0.0005	Na	0.00005
SO ₄	0.001	Cu	0.00001
Free Chlorine	0.0001	Ni	0.00001
Al	0.000005	K	0.00001
As	0.000005	Ag	0.00001
Ba	0.000005	Zn	0.00001
Co	0.000005	Sr	0.000002
Pb	0.000005	Fe	0.0001

Conforms to ACS

Pack Size: 500mL, 2.5L

2281

PERCHLORIC ACID 0.1M IN ACETIC ACID, UNIVOL



For non-aqueous titrations.

Molarity 0.0995-0.1005mol/L

U.N Number 2920

ADG Class 8

Subsidiary Risk 3

Packing Group II



Pack Size: 2.5L

PERCHLOROETHYLENE (see Tetrachloroethylene page 391)

2389

PERIODIC ACID, UNILAB



CAS 13444-71-8

HIO₄.2H₂O = 227.94

Assay 99.0% min.

U.N Number 1479

ADG Class 5.1

Packing Group II

Maximum limit of impurities**(%)**

Sulphated ash 0.5

Pack Size: 25g

1834

PERIODIC ACID 1% SOLUTION, LABCHEM

Periodic Acid 1% aqueous solution

Pack Size: 500mL

 U.N Number 3265
 ADG Class 8
 Packing Group III

1846

PERIODIC ACID 50% SOLUTION, LABCHEM

Periodic Acid 50% aqueous solution

Pack Size: 500mL

 U.N Number 3265
 ADG Class 8
 Packing Group III

2560

PERIODIC TABLE OF THE ELEMENTS

Ideal reference for most Laboratories and educational institutions.

Chart size: 98 cm wide x 68 cm high.

Gives details on each element for atomic wt, MP, BP, electronic configuration and more.

Pack Size: EACH

PETROLEUM ETHER (see Petroleum Spirit page 280)**PETROLEUM SPIRIT B.R. 30-40°C**

CAS 64742-49-0

Synonyms: Petroleum Ether

Density about 0.62g/mL

 U.N Number 3295
 ADG Class 3
 Packing Group I

1158

PETROLEUM SPIRIT B.R. 30-40°C, UNIVAR

Description: clear, colourless, volatile liquid.

B.R.(90% min.) 30 - 40°C

<i>Maximum limit of impurities</i>	<i>(%)</i>
Non-vol.	0.001
Acidity	0.0013 mmol H
S cpds (as CS ₂)	0.0003
H ₂ O	0.015

Pack Size: 2.5L, 20L

3455

PETROLEUM SPIRIT B.R. 30-40°C, PESTICIDE GRADE, BURDICK & JACKSON, CAT. 317

High purity solvent for pesticide residue analysis and gas chromatography.

Assay 99% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
GC (ECD, as Heptochlor epoxide)	10 ng/L
H ₂ O	0.01
Residue	1mg/L

Pack Size: 4L


PETROLEUM SPIRIT B.R. 40-60°C

CAS 64742-49-0
Synonyms: Petroleum Ether
 Density about 0.64g/mL

U.N Number 3295
 ADG Class 3
 Packing Group II

2324
PETROLEUM SPIRIT B.R. 40-60°C, UNICHROM

CAS 64742-49-0
 Specially purified for HPLC Filtered through 0.45 micron filter.
 R.I. 1.369
 Viscosity @ 20°C 0.28cP
 B.R. 40 - 60 °C

Maximum limit of impurities (%)
 Non-vol. 0.001
 Acidity 0.013 mmol H
 H₂O (by K.F.) 0.01

U.V. Absorbance:

λ (nm)	280	254	214	200
Max. abs	0.03	0.04	0.3	1.0

Pack Size: 2.5L

756
PETROLEUM SPIRIT B.R. 40-60°C (Aromatic free), UNIVAR

Free from aromatic hydrocarbons.
 B.R.(90% min.) 40 - 60°C

Maximum limit of impurities (%)
 Non-vol. 0.001
 Acidity 0.0013 mmol H
 Aromatics (as C₆H₆) 0.001
 S cpds (as CS₂) 0.0003
 H₂O 0.015

Pack Size: 2.5L, 20L

361
PETROLEUM SPIRIT B.R. 40-60°C, UNIVAR

B.R.(90% min.) 40 - 60°C

Maximum limit of impurities (%)

Non-vol.	0.001	Na	0.00005
Acidity	0.0013	Zn	0.00005
S cpds (as CS ₂)	0.0003	Cr	0.000002
H ₂ O (K.F.)	0.015	Co	0.000002
Al	0.00001	Cu	0.000002
Ba	0.000005	Mn	0.000002
Mg	0.000005	Ni	0.000002
Cd	0.000005	Sr	0.000002
Pb	0.000005	Fe	0.00002
Ca	0.00005	K	0.00002

Conforms to ACS

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

1384

PETROLEUM SPIRIT B.R. 40-70°C, UNILAB



CAS 110-54-3
 Description about 0.65g/mL
 Density
 B.R.(90% min.) 40 - 70°C

U.N Number 1208
 ADG Class 3
 Packing Group II

Maximum limit of impurities (%)
 Non-vol. 0.005

Pack Size: 2.5L, 20L

362

PETROLEUM SPIRIT B.R. 60-80°C, UNIVAR



CAS 8032-32-4
 Description: Clear, colourless, volatile liquid.
 Density about 0.67g/mL.
 B.R.(90% min.) 60 - 80 °C

U.N Number 3295
 ADG Class 3
 Packing Group II

Maximum limit of impurities (%)
 Non-vol. 0.001
 Acidity 0.0013
 S cpds (as CS₂) 0.0003
 H₂O 0.015

Pack Size: 2.5L, 20L

363

PETROLEUM SPIRIT B.R. 80-110°C, UNIVAR



CAS 64742-49-0
 Description: Clear, colourless, volatile liquid.
 Density about 0.69g/mL.
 B.R. (90% min.) 80 - 110 °C

U.N Number 1268
 ADG Class 3
 Packing Group II

Maximum limit of impurities (%)
 Non-vol. 0.001
 Acidity 0.0013
 S cpds (as CS₂) 0.0003
 H₂O 0.015

Pack Size: 2.5L, 20L

364

PETROLEUM SPIRIT B.R. 100-130°C, UNIVAR



CAS 64742-49-0
 Description: Clear, colourless, volatile liquid.
 Density about 0.73g/mL.
 B.R.(90% min.) 100 - 130°C

U.N Number 1268
 ADG Class 3
 Packing Group II

Maximum limit of impurities (%)
 Non-vols. 0.001
 Acidity 0.0013 mmol H
 S cpds (as CS₂) 0.0003
 H₂O 0.015

Pack Size: 2.5L, 20L

7870

pH STICKS 0-6, OP

For pH measurement in weakly buffered or strongly alkaline solutions
 Gradation: 0-0.5-1.0-1.5-2.0-2.5-3.0-3.5-4.0-4.5-5.0-5.5-6.0

Pack Size: 100