

1851

WRIGHT'S STAIN SOLUTION, LABCHEM



0.25% in Methanol

Pack Size: 1L, 5L

U.N Number 1230

ADG Class 3

Packing Group II

WHITE LEAD (see Lead(II) Carbonate, basic page 219)

WHITE VITRIOL (see Zinc Sulphate page 419)

WOOD SUGAR (see D(+)-Xylose page 415)

XYLOL (see Xylene page 413)

D-XILOPYRANOSE (see D(+)-Xylose page 415)

XYLENE



CAS 1330-20-7

Synonyms: Dimethylbenzene, Xylol

C₆H₄(CH₃)₂ = 106.17

Density about 0.86g/mL

U.N Number 1307

ADG Class 3

Packing Group III

3463

XYLENE, PESTICIDE GRADE, BURDICK & JACKSON, CAT. 370

High purity grade for GC & Spectrophotometry.

R I @ 20°C 1.504 – 1.506

GC Purity (min.) 95.0 % (o-Xylene)

Assay (GC) 99.0% min. as Xylenes

<i>Maximum limit of impurities</i>	<i>(%)</i>
Residue	1 mg/L
Water	0.02

UV Spectrophotometry:

λ (nm)	400	350	325	300	288
Max. abs.	0.005	0.01	0.05	0.2	1.0

Pack Size: 4L

576

XYLENES, UNIVAR

Description: clear liquid which consists of the three isomers and ethylbenzene.

Assay(isomers + EBZ) 98.5% min.

Colour (APHA) 10 max.

<i>Maximum limit of impurities</i>	<i>(%)</i>		
Non-vol.	0.002	Pb	0.000002
S cpds (as S)	0.003	Mn	0.000002
Subs. darkened by H ₂ SO ₄	To pass test	Ni	0.000002
H ₂ O (K.F.)	0.05	Sr	0.000002
Al	0.00001	Cd	0.000005
K	0.00001	Mg	0.000005
Ba	0.000002	Ca	0.00005
Cr	0.000002	Fe	0.00002
Co	0.000002	Na	0.00002
Cu	0.000002	Zn	0.00002

Conforms to ACS

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

577

XYLENES, UNILAB

B.R. (95% min.) 136 - 144°C

<i>Maximum limit of impurities</i>	<i>(%)</i>
Non-vol.	0.01
S cpds (as S)	0.0005

Pack Size: 2.5L, 10L, 20L

5001

XYLENES, HP

Solvent for Histopathology

Pack size: 10L, 20L

2342

XYLENES, LABCHEM

Description: clear, colourless liquid with a characteristic odour. Density @ 20°C about 0.86g/mL

B.R. 136 – 144°C

<i>Maximum limit of impurities</i>	<i>(%)</i>
Sulphur compounds (as S)	0.001
Foreign odour	To pass test

Pack Size: 5L, 20L

1554

XYLENES, TECHNICAL

B.R. 137 – 143°C

Pack Size: 2.5L**XYLENE SUBSTITUTE FOR HISTOLOGY** (see SAFSOLVENT® page 329)

257

XYLENE CYANOL FF(C.I. 43535), LABCHEM

CAS 2650-17-1

Synonyms: CyanolC₂₅H₂₇N₂O₇S₂Na = 554.61

Redox indicator. In electrophoresis, used as a tracking dye during the separation of nucleic acids. It is used to monitor electrophoresis of low M. W. nucleic acids.

Transition EMF (@ pH = 0) + 1.05 V

Colour change: Oxidized (orange) to reduced (green)

Pack Size: 25g

3148

XYLENOL ORANGE, OP

CAS 1611-35-4

Synonyms: o-Cresolsulphonphthalein-3,3 bismethyliminodiaceticC₃₁H₂₈N₂Na₄O₁₃S = 760.59

Metal indicator.

Pack Size: 1g

662

D(+)-XYLOSE, UNILAB

CAS 58-86-6

Synonyms: D-Xilopyranose, Wood SugarC₅H₁₀O₅ = 150.13

Description: colourless needles or a white crystalline powder; odourless or almost odourless.

Spec.optical rotn. +18.5 to +19.5°

M.P. 148 - 152°C

<i>Maximum limit of impurities</i>	<i>(%)</i>
Colour & clarity of soln.	To pass test
Sulph. Ash	0.1
L.O.D.	0.5
Acidity	0.4 mmol H
Cl	0.033
H.M.(as Pb)	0.002

Chemical and physical parameters conform to BP

Pack Size: 100g, 500g**YELLOW GOLD CHLORIDE** (see Sodium Chloroaurate page 346)

2391

ZINC, foil, LABCHEM

CAS 7440-66-6

Zn = 65.37

<i>Maximum limit of impurities</i>	<i>(%)</i>
Iron	0.002

Pack Size: 500g**ZINC, powder**

CAS 7440-66-6

Zn = 65.37

U.N Number 1436

ADG Class 4.3

Packing Group II

2312

ZINC, powder, UNIVAR

Description: fine grey powder free from all but small aggregates.

Assay 99.9% min.

<i>Maximum limit of impurities</i>	<i>(%)</i>
Insol. (in acid)	0.05
N cpds (as N)	0.01
Fe	0.002
Subs.red.KMnO ₄ (as O)	0.0015
Pb	0.003
Cd	0.003
Sn	0.001

Pack Size: 500g

538

ZINC, powder, TECHNICAL**Pack Size:** 500g

1562

ZINC, shots, UNILAB

CAS 7440-66-6

Zn = 65.37

1-3 mm in size.

Assay 99.99% min.

Maximum limit of impurities (%)

As 0.00001

Fe 0.02

Pack Size: 500g

2628

ZINC NITRATE AAS STANDARD, SPECTROSOL

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

U.N Number 3264

ADG Class 8

Packing Group III

Traceable to NIST

Pack Size: 500mL

2651

ZINC 1000ppm SINGLE ELEMENT ICP STANDARD, UNIPURE

A 1000 ppm Zinc standard, ready for use.

Zn in 0.5% Nitric acid.

U.N Number 3264

ADG Class 8

Packing Group III

Traceable to NIST

Pack Size: 100mL

581

ZINC ACETATE, UNIVAR

CAS 5970-45-6

Synonyms: Acetic Acid Zinc salt $(\text{CH}_3\text{COO})_2\text{Zn} \cdot 2\text{H}_2\text{O} = 219.49$

Description: colourless or white crystals with a faint odour of acetic acid.

Assay 99.5% min.

pH (5% soln.) 6.0 – 6.6

Maximum limit of impurities (%)

Insol. 0.003

Cl. 0.001

N cpds (as N) .. 0.002

SO₄ 0.005

As 0.00004

Ca 0.002

Cd 0.001

Cu 0.0005

Fe 0.0005

K 0.005

Mn 0.001

Na 0.005

Pb 0.001

Pack Size: 500g, 5kg

2468

ZINC BROMIDE, UNILAB

CAS 7699-45-8

ZnBr₂ = 225.20

Assay 98.0% min.

U.N Number 3077

ADG Class 9

Packing Group III

Maximum limit of impurities (%)

SO ₄	0.01
Ba	0.001
Ca	0.01
Fe	0.001
K	0.01
Mg	0.01
Na	0.01
Pb	0.005

Pack Size: 500g

1518

ZINC CARBONATE, basic, UNILAB

CAS 3486-35-9

Synonyms: Zinc Hydroxide Carbonate

Approx. ZnCO₃.2ZnO.3H₂O

Assay (as Zn) 53% min.

Maximum limit of impurities (%)

Cl	0.3
SO ₄	1.0

Pack Size: 500g

ZINC CHLORIDE

CAS 7646-85-7

ZnCl₂ = 136.28

U.N Number 2331

ADG Class 8

Packing Group III

1687

ZINC CHLORIDE, UNILAB

Assay 95% min.

Maximum limit of impurities (%)

SO ₄	0.05
ZnO (typical)	2
Pb (typical)	0.003
Fe (typical)	0.003
Cu (typical)	0.001

Pack Size: 500g, 5kg, 25kg

959

ZINC CHLORIDE, LABCHEM

Assay 94% min.

Maximum limit of impurities (%)

SO ₄	0.1
-----------------------	-----

Pack Size: 500g

ZINC HYDROXIDE CARBONATE (see Zinc Carbonate, basic page 417)



ZINC NITRATE

CAS 10196-18-6
 $Zn(NO_3)_2 \cdot 6H_2O = 297.47$

U.N Number 1514
 ADG Class 5.1
 Packing Group II

967

ZINC NITRATE, LABCHEM

Assay (dry basis) 98% min.

Maximum limit of impurities (%)

Mg 0.01
 Fe 0.01

Store below 25°C

Pack Size: 500g

1271

ZINC NITRATE, TECHNICAL

Assay (typical) 98% min.

Maximum limit of impurities (%)

Insol. 0.01
 Cl 0.01
 SO_4 0.05

Store below 25°C

Pack Size: 500g

ZINC OXIDE

CAS 1314-13-2
 $ZnO = 81.39$

U.N Number 3077
 ADG Class 9
 Packing Group III



1813

ZINC OXIDE, CERTIFIED REFERENCE STANDARD UNIPURE

Assay (Compl.) after drying at 130°C 99.95 – 100.05%

Maximum limit of impurities (%)

Insoluble matter in H_2SO_4	0.01	Cu	0.0005
Alkalinity	To pass test	Fe	0.0005
Sulphur cpds (as SO_4)	0.01	K	0.005
Cl	0.001	Mg	0.005
NO_3	0.002	Mn	0.0005
As	0.0001	Na	0.005
Ca	0.005	Ni	0.0005
Cd	0.002	Pb	0.001
Co	0.0005		

Pack Size: 100g

582

ZINC OXIDE, UNIVAR

Description: light, white, amorphous powder.

Assay 99.0% min.

<i>Maximum limit of impurities</i>		(%)	
Insol. (in dil. H ₂ SO ₄)	0.01	Mn	0.0005
Alkalinity	To pass test	Pb	0.005
Cl	0.001	Mg	0.005
NO ₃	0.003	K	0.01
S cpds (as SO ₄)	0.01	Na	0.05
As	0.0002	Ca	0.005
Fe	0.001		

Conforms to ACS

Pack Size: 500g, 5kg, 25kg

1270

ZINC OXIDE, UNILAB

Description: white, or faintly yellowish-white, soft powder, free from grittiness; odourless.

Assay(after ignition @ 500°C) 99 – 100.5%

<i>Maximum limit of impurities</i>		(%)
L.O.I. (@500°C)	1.0	
CO ₃ & Insol. (in HCl)	To pass test	
Alkalinity	3 mmol OH	
As	0.0005	
Fe	0.0200	
Pb	0.0050	
Cd	0.0010	

Chemical and physical parameters conform to BP

Pack Size: 500g**ZINC SULPHATE**

CAS 7446-20-0

Synonyms: White Vitriol

ZnSO₄.7H₂O = 287.54

583

ZINC SULPHATE, UNIVAR

Description: colourless, efflorescent crystals.

Assay 99.0 - 103.0%

pH (5% soln. @ 25°C) 4.4 – 6.0

<i>Maximum limit of impurities</i>		(%)	
Insol.	0.01	Ca	0.001
Cl	0.0005	Pb	0.001
Cd	0.0005	K	0.001
Cu	0.0005	Na	0.001
Fe	0.0005	NH ₄	0.001
NO ₃	0.002	Mn	0.0003
As	0.0001	Mg	0.005

Conforms to ACS

Pack Size: 500g, 5kg, 25kg

584

ZINC SULPHATE, UNILAB

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

Assay 99.0 - 104.0%

pH (5% soln.) 4.4 – 5.6

Maximum limit of impurities (%)
 Clarity and colour of soln. To pass test
 Cl 0.030
 Fe 0.010

Chemical and physical parameters conform to BP

Pack Size: 500g, 5kg, 25kg

969

ZINC SULPHATE, LABCHEM

Assay 98.0%

Maximum limit of impurities (%)
 Mg 0.002
 Cl 0.002

Pack Size: 500g

1269

ZINC SULPHIDE, UNILAB

CAS 1314-98-3

ZnS = 97.46

Description: white to grayish-white powder

Assay 98.0% min.

Maximum limit of impurities (%)
 Mg 0.05
 Ca 0.02
 Fe 0.01
 Ba 1.5
 Co 0.05

Pack size: 500g

ZIRCONIUM(IV) OXIDE CHLORIDE (see Zirconyl Chloride page 417)

2466

ZIRCONYL CHLORIDE, LABCHEM

CAS 7699-43-6

Synonyms: Zirconium(IV) Oxide Chloride

ZrOCl₂.8H₂O = 322.25

Assay 99.5% min.

Maximum limit of impurities (%)
 Fe 0.001
 Ti 0.01
 H.M (as Pb) 0.001
 SO₄ 0.005

Pack Size: 100g