

Universal indicator Prolabo®

See Universal indicator ethanol solution ..... p.240

**Uracil**

CAS 66-22-8

EINECS: 200-621-9

C<sub>4</sub>H<sub>4</sub>N<sub>2</sub>O<sub>2</sub>

M.W. 112.09 g/mol

Density: 0.99744 g/cm<sup>3</sup> (25 °C)

Boiling Pt: 379 °C (1013 hPa)

Melting Pt: 194 °C

Storage Temperature: Ambient temperature

**VWR CHEMICALS // Uracil, ultrapure**

Em (258 nm, Phosphate Buffer, pH 7.0) ..... 7850

Cat. No.	Pk	Pack type
0847-250G	250 g	Plastic bottle for solids
0847-500G	500 g	Plastic bottle for solids

**Urea**

Carbamide, Carbonyldiamide

CAS 57-13-6

EINECS: 200-315-5

NH<sub>2</sub>CONH<sub>2</sub>

M.W. 60.06 g/mol

Density: 1.34 g/cm<sup>3</sup> (20 °C)

Boiling Pt: 197 °C (1013 hPa)

Melting Pt: 132.7 °C

Storage Temperature: Ambient temperature

**Urea AnaR NORMAPUR® ACS, ISO, Reag. Ph. Eur. analytical reagent**

Assay.....	Min. 99.5 %	Appearance of solution (10 %; water).....	Clear and colourless
IR Spectrum.....	Passes test	Solution S.....	Passes test
Acidity.....	Max. 0.0005 meq/g	Alkalinity.....	Max. 0.0005 meq/g
Melting point.....	132 to 134 °C	Biuret.....	Max. 0.05 %
Heavy metals (as Pb).....	Max. 4 ppm	Ignition residue (SO <sub>4</sub> ).....	Max. 50 ppm
Insolubility in water.....	Max. 30 ppm	Loss on drying (100-105°C).....	Max. 1.0 %
Cl (Chloride).....	Max. 5 ppm	NH <sub>4</sub> (Ammonium).....	Max. 0.05 %
SO <sub>4</sub> (Sulphate).....	Max. 10 ppm	Cu (Copper).....	Max. 1 ppm
Fe (Iron).....	Max. 1 ppm	Pb (Lead).....	Max. 2 ppm
Conforms to BDH 10290.....	Passes test	Conforms to ACS.....	Passes test
Conforms to Reag. Ph.Eur.....	Passes test		

Cat. No.	Pk	Pack type
28877.235	250 g	Plastic bottle for solids
28877.260	500 g	Plastic bottle for solids
28877.292	1 kg	Plastic bottle for solids
28877.361	5 kg	Bucket (Plastic)
28877.460	25 kg	Bucket (Plastic)

**Urea GPR RECTAPUR®**

Assay.....	Min. 95 %
Melting point.....	132 to 135 °C
Heavy metals (as Pb).....	Max. 10 ppm
Ignition residue (SO <sub>4</sub> ).....	Max. 0.2 %
Cl (Chloride).....	Max. 5 ppm
Fe (Iron).....	Max. 10 ppm

Cat. No.	Pk	Pack type
28876.298	1 kg	Plastic bottle for solids
28876.367	5 kg	Bucket (Plastic)
28876.460	25 kg	Bucket (Plastic)

**Urea Gen-Apex® Molecular biology grade**

Assay.....	Min. 99.5 %
Colouration (8 mol/l; water).....	Max. 10 APHA
Heavy metals (as Pb).....	Max. 5 ppm
Transmittance (230 nm).....	Min. 65 %
Transmittance (260 nm).....	Min. 80 %
Transmittance (280 nm).....	Min. 85 %
Transmittance (320 nm).....	Min. 90 %

Cat. No.	Pk	Pack type
33622.263	500 g	Plastic bottle for solids

**Urea Electran® for electrophoresis**

Assay.....	Min 99.5 %
Melting point.....	132 to 134 °C
UV absorbance 260 nm (C=5 mol/l).....	Max 0.05
UV absorbance 280 nm (C=5 mol/l).....	Max 0.04
DNases/RNases.....	not detected
Proteases.....	Not detected
Cyanate (OCN).....	not detected
Sulphated ash.....	Max 0.01 %
Biuret (C <sub>2</sub> H <sub>5</sub> N <sub>2</sub> O <sub>2</sub> ).....	Max 0.05 %
Cyanide (CN).....	Max 0.000001 %
Ammonium (NH <sub>4</sub> <sup>+</sup> ).....	Max 0.00001 %
Sulphates (SO <sub>4</sub> ).....	Max 0.001 %
Chloride (Cl).....	Max 0.0005 %
Cu (Copper).....	Max 0.00003 %
Pb (Lead).....	Max 0.00017 %
Absorbance (260 nm) (5 mol/l).....	Max. 0.05
Absorbance (280 nm) (5 mol/l).....	Max. 0.04

Cat. No.	Pk	Pack type
443874G	500 g	Plastic bottle
443876Y	2,5 kg	Plastic bottle
443877J	5 kg	Plastic bottle

**VWR CHEMICALS // Urea, ultrapure**

Commonly used to denature nucleic acids for electrophoresis and to study the secondary and tertiary structure of proteins.

Abs.@280 nm (5 M, Water).....	0.05
Biuret Test.....	PASS
Chloride.....	0.0005 %
Cyanate.....	0.002 %
DNase.....	NONE
Heavy Metals (as Pb).....	0.0005 %
Identification.....	NONE
Insolubles.....	0.005 %
Iron.....	0.0001 %
Melting Point.....	132 - 135 °C
Protease.....	NONE
Purity.....	99.5 %
RNase.....	NONE
Solubility (5 M, Water).....	PASS

Cat. No.	Pk	Pack type
0568-100G	100 g	Plastic bottle for solids
0568-500G	500 g	Plastic bottle for solids
0568-1KG	1 kg	Plastic bottle for solids
0568-2.5KG	2,5 kg	Bucket (Plastic)
0568-5KG	5 kg	Bucket (Plastic)
0568-10KG	10 kg	Bucket (Plastic)

**VWR CHEMICALS // Urea, proteomics grade**

Abs.@280 nm (5 M, Water).....	0.05
Biuret Test.....	PASS
Chloride.....	0.0005 %
Cyanate.....	<0.002 %
DNase.....	NONE
Heavy Metals (as Pb).....	0.0005 %
Insolubles.....	0.005 %
Iron.....	0.0001 %
Melting Point.....	132 - 135 °C
Protease.....	NONE
Purity.....	99.5 %
RNase.....	NONE
Solubility (5 M, Water).....	PASS

Cat. No.	Pk	Pack type
M123-500G	500 g	Plastic bottle for solids
M123-1KG	1 kg	Plastic bottle for solids
M123-2.5KG	2,5 kg	Bucket (Plastic)