



Product Specification

UREA FOR MOLECULAR BIOLOGY

PRODUCT CODE	990000
SYNONYMS	--
C.I. NO.	--
CASR NO.	(57-13-6)
ATOMIC OR MOLECULAR FORMULA	CH₄N₂O
ATOMIC OR MOLECULAR WEIGHT	60.06
PROPERTIES	Develops odour of ammonia. Almost insoluble in chloroform and ether. Soluble in concentrated HCl

CH₄N₂O

PARAMETER	LIMIT
Description	A white granules / crystalline powder.
Solubility	10% solution in water is clear and colourless.
Minimum Assay (Kjeldahl's method)	99.50%
Melting Point	132° - 134°C
Abs. of 6M soln. at 260 nm	0.06
Abs. of 6M soln. at 280 nm	0.06

MAXIMUM LIMIT OF IMPURITIES

Sulphated ash	0.005%
Acidity	0.05 ml N/1%
Biuret (C ₂ H ₅ N ₃ O ₂)	0.05%
Chloride (Cl)	0.0005%
Sulphate (SO ₄)	0.001%
Copper (Cu)	0.0001%
Lead (Pb)	0.0002%
Iron (Fe)	0.0001%
DNase, RNase and Protease	None detected.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : Causes mild skin irritation.

Precautionary statements

Prevention: -----

Response: If skin irritation occurs, seek medical advice/attention.

IMDG Code :--

UN No. :--

IATA :--

Disposal: The waste chemical should be buried on a stage approved site. The liquids should be absorbed on sand. The chemical should be mixed combustible solvent and burnt in a chemical incinerator equipped with burner and scrubber.

Hazard Pictogram(s) :--