

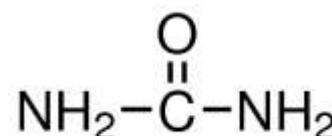


# Product Specification

cdhfinechemical.com

## UREA AR SPECIAL QUALITY FOR BIOCHEMICAL PURPOSE MEETS ANALYTICAL SPECIFICATION IP, BP, USP, Ph. Eur.

<b>PRODUCT CODE</b>	<b>671815</b>
<b>SYNONYMS</b>	--
<b>C.I. NO.</b>	--
<b>CASR NO.</b>	<b>(57-13-6)</b>
<b>ATOMIC OR MOLECULAR FORMULA</b>	<b>NH<sub>2</sub>CONH<sub>2</sub></b>
<b>ATOMIC OR MOLECULAR WEIGHT</b>	<b>60.06</b>
<b>PROPERTIES</b>	<b>Develops odour of ammonia. Almost insoluble in chloroform and ether. Soluble in concentrated HCl</b>



<b>PARAMETER</b>	<b>LIMIT</b>
Description	A white crystalline or transparent crystals.
Solubility	10% solution in water is clear, colourless.
Identification (By FTIR)	Conforms
Assay (Calculated with respect to dried substance.; Kjeldahl method)	99.0 – 101%
Melting Point	132°- 135°C

### MAXIMUM LIMIT OF IMPURITIES

Loss on drying (at 105°C)	1.0%
Sulphated ash	0.01%
Insoluble matter	0.003%
Ethanol insoluble matter	0.04%
Alkalinity	0.05 ml N/1%
Ammonium	0.05%
Biuret (C <sub>2</sub> H <sub>5</sub> N <sub>3</sub> O <sub>2</sub> )	0.05%
Chloride (Cl)	0.0005%
Sulphate (SO <sub>4</sub> )	0.001%
Iron (Fe)	0.0001%
Heavy metals (as Pb)	0.001%

**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

**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.

IMDG Code :

UN No. :

IATA :

**Hazard Pictogram(s) :**

REPLACE-27.07.2020