

Urea ULTRAPURA

About this item

CAS Number: 57-13-6

Formula: NH_2CONH_2

MDL Number: MFCD00008022

Boiling Pt: 197 °C (1013 hPa)

Melting Pt: 132.7 °C

Merck Index: 13,09935

Density: 1.34 g/cm³ (20 °C)

: Management of Change (MOC)
category = NI

Molecular Weight: 60.06 g/mol

Storage Temperature: Ambient

EINECS: 200-315-5

REACH: 01-2119463277-33

Specification Test Results

Assay (NH_2CONH_2):	98.0 - 102.0 %
Appearance:	Passes Test
RNase Activity:	Passes Test
DNase Activity (None Detected):	Passes Test
Protease Activity:	Passes Test
Absorbance of a 5M Solution - 260 nm:	≤0.050
Absorbance of a 5M Solution - 280 nm:	≤0.030
Biuret:	≤0.01

Cyanate (CNO):	None Detected
Insoluble Matter:	≤0.005 %
Water (H_2O)(by Karl Fischer titrn):	≤0.5 %
Conductivity of 8.5M Solution at 25°C, ($\mu\text{mho/cm}$):	≤30
Chloride (Cl):	≤1 ppm
Trace Impurities - Copper (Cu):	≤1 ppm
Trace Impurities - Iron (Fe):	≤1 ppm
Trace Impurities - Lead (Pb):	≤1 ppm