

Product Specification Sheet



Product Code : BIO-2070
Identifier : Urea
Grade : Ultra Pure
Appearance : White crystals
Molecular Formula : $\text{CH}_4\text{N}_2\text{O}$
Molecular Weight : 60.1 g/mol
Product Description : -
Storage Condition : Store at room temperature. Protect from moisture.

<u>Assay:</u>	<u>Specification:</u>
Assay (NH_2CONH_2)	$\geq 99.0 \%$
Solubility in water	PASS
Solubility in ethanol	PASS
Melting point	132 – 136 °C
Chloride (Cl)	$\leq 0.001 \%$
Sulfate (SO_4)	$\leq 0.001 \%$
Copper (Cu)	$\leq 2 \text{ ppm}$
Lead (Pb)	$\leq 2 \text{ ppm}$
Iron (Fe)	$\leq 5 \text{ ppm}$
Ammonium (NH_4)	$\leq 0.02 \%$
Substances reducing Fehling's Solution	PASS

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