

PRODUCT SPECIFICATION SHEET
Urea Crystalline Powder 99%, USP Grade

Product Specification

Test	Specification	Typical Results
Appearance	Colorless crystals or white crystalline powder	Pass
Assay	98.0 - 102.0%	99.5
Melting Point	132 - 135°C	132.5°C
Alcohol-Insoluble matter	$\leq 0.04\%$	0.008
Residue after ignition	$\leq 0.01\%$	0.008
Sulfate	$\leq 0.001\%$	0.001
Chlorides	$\leq 0.0005\%$	0.0005
Iron	$\leq 0.001\%$	0.001
Heavy metals	$\leq 0.0005\%$	0.0002
Specific gravity	1.33g/cm ³ at 20°C	Pass
Solubility in water	590 g/L at 20°C	Pass
Organic impurities urea related	$\leq 0.1\%$	<0.1
Organic impurities individual	$\leq 0.1\%$	0.1
Organic impurities total	$\leq 2.0\%$	<2.0
Identification by USP (A)	Passes Test	Pass
Identification by USP (B)	Passes Test	Pass

Appropriate/legal use of this product is the responsibility of the user.

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