

Certificate of Analysis

Product: Urea Crystalline Powder 99%, USP Grade

Item Number: URPU

CAS#: 57-13-6

Grade: USP

Lot Number: 5002281/1.1

Manufacture Date: 09/30/2025

Expiration Date: 09/29/2028

Country of Origin: Ukraine

Retest Date : 09/30/2028

Tested Property	Specification	Analysis
Assay	98.0 - 102.0%	99.7
Melting Point	132.5 - 134.5°C	132.5°C
Alcohol-Insoluble matter	Max 0.04%	0.01
Residue after ignition	Max 0.01%	0.008
Sulfate	Max 0.001%	0.001
Chlorides	Max 0.0005%	0.0005
Iron	Max 0.001%	0.0001
Heavy metals	Max 0.0005%	0.0002
Appearance	Colorless crystals or white crystalline powder	Pass
Specific gravity	1.33g/cm ³ at 20°C	Pass
Solubility in water	590 g/L at 20°C	Pass
Organic impurities urea related	Max 0.1%	<0.1
Organic impurities individual	Max 0.1%	0.1
Organic impurities total	Max 2.0%	<2.0
Identification by USP (A)	Passes Test	Pass
Identification by USP (B)	Passes Test	Pass

Store in cool, dry, well-ventilated environment.

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