

# Certificate of Analysis



SCIENTIFIC

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An ISO 9001 Certified Company

## UREA

### PRODUCT NUMBER

IB72060 \_\_\_\_\_ 500gm  
IB72064 \_\_\_\_\_ 2.5Kg

### LOT NO.

Lot# \_\_\_\_\_ 21C3004

### STORAGE

Store at room temperature. Protect from moisture.

### CAS NO.

CAS# \_\_\_\_\_ 57-13-6

### SPECIFICATIONS

	Specification	Analysis	Disposition
Assay (USP)	98.0 - 102.0%	99.8%	PASS
Assay (JP)	Min. 99.0%	99.3%	PASS
Melting Point (JP)	132.5 - 134.5°C	134.0°C	PASS
Residue on Ignition	Max. 0.1%	< 0.01%	PASS
Alcohol-Insoluble Matter	Max. 0.04%	< 0.04%	PASS
Chloride	Max. 0.007%	< 0.007%	PASS
Sulfate	Max. 0.010%	< 0.010%	PASS
Heavy Metals (JP)	Max. 20ppm	< 10ppm	PASS
Urea Related Compound A	Max. 0.1%	< 0.1%	PASS
Individual Impurity	Max. 0.1%	< 0.1%	PASS
Total Impurities	Max. 2.0%	< 2.0%	PASS
Identification (A)	Spectrum Match Refer.	Spectrum Match Refer.	PASS
Identification (B)	Retention Time Match	Retention Time Match	PASS
Identification (C)	Red Purple Color Develops	Red Purple Color Develops	PASS
Identification (D)	White Precipitate	White Precipitate Forms	PASS
Appearance	White Crystals	Visual Inspection	PASS

### DATE OF

Manufacture Date: \_\_\_\_\_ 05/26/2020

Expiration Date: \_\_\_\_\_ 05/31/2025

### CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Toby Frericks  
Quality Control

03/22/21  
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.

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