

## Certificate of Analysis

Date of Testing: 2023-07-14 11:26:32

Date of Next Testing: 2027-07-13 11:26:32

Product Name: **Urea**

CAS Number: 57-13-6

Specifications & Purity: ACS, ≥99.5%(T)

Lot #: G2304967

SKU #: **U111898**

**Analysis: 224631**

Parameter	Limit Values	Result
Melting point	132-135 (°C)	134.25000 °C
Chloride (Cl-)	0-5 (ppm)	1.48 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Insoluble matter in H <sub>2</sub> O	0-0.01 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.73500 %
Iron(Fe)	0-10 (ppm)	0.00 ppm
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Purity(Titration by HClO <sub>4</sub> )	99.5-100.5 (%)	99.93 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-10 (ppm)	2.80 ppm
Appearance (U111898)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager