

## Certificate of Analysis

Date of Testing: 2022-07-23 14:08:07

Date of Next Testing: 2026-07-22 14:08:07

Product Name: **Urea**

CAS Number: 57-13-6

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

Lot #: G2220886

SKU #: **U111898**

**Analysis: 107972**

Parameter	Limit Values	Result
Melting point	132-135 (°C)	133.32000 °C
Chloride (Cl-)	0-5 (ppm)	3.10 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.00 ppm
Insoluble matter in H2O	0-0.01 (%)	0.00 %
Iron(Fe)	0-10 (ppm)	0.00 ppm
Purity(Titration by HClO4)	99.5-100.5 (%)	99.69 %
Sulfate(SO42-)	0-10 (ppm)	5.30 ppm
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Purity(HPLC)	99.5-100 (%)	99.51000 %
Appearance (U111898)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager