

Certificate of Analysis

Date of Testing: 2024-12-05 11:34:17

Date of Next Testing: 2028-12-04 11:34:17

Product Name: **Urea**

CAS Number: 57-13-6

Specifications & Purity: ACS, $\geq 99.5\%$ (T)

Lot #: L2404221

SKU #: **U111898**

Version: **0**

Analysis #: **443990**

Parameter	Limit Values	Result
Melting point	132-135 (°C)	132.06000 °C
Chloride (Cl-)	0-5 (ppm)	0.27 ppm
Heavy metal (as Pb)	0-10 (ppm)	0.13 ppm
Insoluble matter in H ₂ O	0-0.01 (%)	0.01 %
Purity(HPLC)	99.5-100 (%)	100.00000 %
Iron(Fe)	0-10 (ppm)	0.20 ppm
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Purity(Titration by HClO ₄)	99.5-100.5 (%)	100.00 %
Sulfate(SO ₄ ²⁻)	0-10 (ppm)	1.70 ppm
Appearance (U111898)	white powder or solid	white powder or solid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager