

Certificate of Analysis

Date of Testing: 2022-10-28 14:45:47

Date of Next Testing: 2026-10-27 14:45:47

Product Name: **Urea**

CAS Number: 57-13-6

Specifications & Purity: Ph. Eur.,BP,USP,99.0-100.5%

Lot #: J2226780

SKU #: **U111903**

Analysis: 149376

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.1 (%)	0.03 %
Iron(Fe)	0-0.5 (ppm)	0.30 ppm
Chloride (Cl-)	0-10 (ppm)	5.20 ppm
Loss on drying	0-1 (%)	0.82 %
Insoluble in Ethanol	0-0.04 (%)	0.02 %
Sulfate(SO42-)	0-50 (ppm)	48.00 ppm
Melting point	132-135 (°C)	134.00000 °C
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
biuret(carbamylurea)	0-0.1 (%)	0.09 %
Ammonia (NH4)	0-0.05 (%)	0.04 %
Assay	99-100.5 (%)	100.00 %
alkalic reac. substances,	complies	complies
Infrared spectrum	Conforms to Structure	Conforms to Structure
Residual solvents	complies	complies



John Su
QA & QC Manager