

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2021-12-17 10:11:10
Date of Next Testing: 2025-12-16 10:11:10
Product Name: **Urea**
CAS Number: 57-13-6
Specifications & Purity: Ph. Eur.,BP,USP,99.0-100.5%
Lot #: L2115728
SKU #: **U111903**
Analysis: 059370

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.1 (%)	0.00 %
Iron(Fe)	0-0.5 (ppm)	0.43 ppm
Chloride (Cl-)	0-10 (ppm)	8.99 ppm
Loss on drying	0-1 (%)	0.06 %
Insoluble in Ethanol	0-0.04 (%)	0.03 %
Sulfate(SO42-)	0-50 (ppm)	48.99 ppm
Melting point	132-135 (°C)	133.44000 °C
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
biuret(carbamylurea)	0-0.1 (%)	0.08 %
Ammonia (NH4)	0-0.05 (%)	0.04 %
Assay	99-100.5 (%)	99.99 %
alkalic reac. substances,	complies	complies
Infrared spectrum	Conforms to Structure	Conforms to Structure
Residual solvents	complies	complies



John Su
QA & QC Manager