

## Certificate of Analysis

Date of Testing: 2023-05-19 15:06:34  
Date of Next Testing: 2027-05-18 15:06:34  
Product Name: **Ammonia solution**  
CAS Number: 1336-21-6  
Specifications & Purity: ACS, 28.0-30.0% NH3 basis  
Lot #: E23151010  
SKU #: **A112081**  
Analysis: **225693**

Parameter	Limit Values	Result
Phosphate(PO4)	0-2 (ppm)	0.30 ppm
(NO3)Nitrate	0-2 (ppm)	0.10 ppm
Heavy metal (as Pb)	0-0.5 (ppm)	0.00 ppm
Ignition Residue(Ash)	0-0.002 (%)	0.00 %
Ammonia(Titration by HCl)	28-30 (%)	28.90 %
Carbon Dioxide	0-0.002 (%)	0.00 %
Iron(Fe)	0-0.2 (ppm)	0.00 ppm
Sulfate(SO42-)	0-2 (ppm)	0.20 ppm
Chloride (Cl-)	0-0.5 (ppm)	0.03 ppm
Appearance (A112081)	Colorless Liquid	Colorless liquid



John Su  
QA & QC Manager