

## Certificate of Analysis

Date of Testing: 2022-08-20 15:32:46  
Date of Next Testing: 2026-08-19 15:32:46  
Product Name: **Ammonia solution**  
CAS Number: 1336-21-6  
Specifications & Purity: ACS, 28.0-30.0% NH3 basis  
Lot #: H2212155  
SKU #: **A112081**  
Analysis: **127273**

Parameter	Limit Values	Result
Phosphate(PO4)	0-2 (ppm)	0.40 ppm
(NO3)Nitrate	0-2 (ppm)	1.20 ppm
Heavy metal (as Pb)	0-0.5 (ppm)	0.22 ppm
Ignition Residue(Ash)	0-0.002 (%)	0.00 %
Ammonia(Titration by HCl)	28-30 (%)	28.02 %
Carbon Dioxide	0-0.002 (%)	0.00 %
Iron(Fe)	0-0.2 (ppm)	0.15 ppm
Sulfate(SO42-)	0-2 (ppm)	0.20 ppm
Chloride (Cl-)	0-0.5 (ppm)	0.10 ppm
Appearance (A112081)	Colorless Liquid	Colorless liquid



John Su  
QA & QC Manager