

## Certificate of Analysis

Date of Testing: 2023-08-03 15:02:36  
Date of Next Testing: 2027-08-02 15:02:36  
Product Name: **Ammonia solution**  
CAS Number: 1336-21-6  
Specifications & Purity: ACS, 28.0-30.0% NH3 basis  
Lot #: H2302041  
SKU #: **A112081**  
Analysis: **259278**

Parameter	Limit Values	Result
Phosphate(PO4)	0-2 (ppm)	0.10 ppm
(NO3)Nitrate	0-2 (ppm)	0.01 ppm
Heavy metal (as Pb)	0-0.5 (ppm)	0.02 ppm
Ignition Residue(Ash)	0-0.002 (%)	0.00 %
Ammonia(Titration by HCl)	28-30 (%)	29.07 %
Carbon Dioxide	0-0.002 (%)	0.00 %
Iron(Fe)	0-0.2 (ppm)	0.01 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