

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-12-15 15:40:38
Date of Next Testing: 2026-12-14 15:40:38
Product Name: **Ammonia solution**
CAS Number: 1336-21-6
Specifications & Purity: ACS, 28.0-30.0% NH3 basis
Lot #: L2213332
SKU #: **A112081**
Analysis: **169021**

| Parameter | Limit Values | Result |
|---------------------------|------------------|------------------|
| Phosphate(PO4) | 0-2 (ppm) | 1.50 ppm |
| (NO3)Nitrate | 0-2 (ppm) | 0.76 ppm |
| Heavy metal (as Pb) | 0-0.5 (ppm) | 0.01 ppm |
| Ignition Residue(Ash) | 0-0.002 (%) | 0.00 % |
| Ammonia(Titration by HCl) | 28-30 (%) | 28.83 % |
| Carbon Dioxide | 0-0.002 (%) | 0.00 % |
| Iron(Fe) | 0-0.2 (ppm) | 0.14 ppm |
| Sulfate(SO42-) | 0-2 (ppm) | 0.08 ppm |
| Chloride (Cl-) | 0-0.5 (ppm) | 0.06 ppm |
| Appearance (A112081) | Colorless Liquid | Colorless liquid |



John Su
QA & QC Manager