

## Certificate of Analysis

Date of Testing: 2022-03-11 20:39:48  
Date of Next Testing: 2023-03-11 20:39:48  
Product Name: **Ammonia solution**  
CAS Number: 1336-21-6  
Specifications & Purity: Analytical Reagent,25-28%  
Lot #: C2205181  
SKU #: **A112077**  
**Analysis: 073511**

Parameter	Limit Values	Result
Phosphate(PO4)	0-0.0001 (%)	0.00 %
Assay(NH3)	25-28 (%)	26.40 %
Carbonate	0-0.001 (%)	0.00 %
Sulfate(SO42-)	0-0.0002 (%)	0.00 %
Potassium(K)	0-0.001 (%)	0.00 %
Magnesium(Mg)	0-0.0001 (%)	0.00 %
Evaporation Residue	0-0.002 (%)	0.00 %
Lead(Pb)	0-0.5 (ppm)	0.23 ppm
Iron(Fe)	0-0.2 (ppm)	0.10 ppm
Sodium(Na)	0-0.0005 (%)	0.00 %
Calcium(Ca)	0-0.0001 (%)	0.00 %
Chloride (Cl-)	0-0.5 (ppm)	0.00 ppm
Copper(Cu)	0-0.1 (ppm)	0.02 ppm
Potassium permanganate reducing substances	0-0.0008 (%)	0.00 %
(S)Sulfide	0-0.00002 (%)	0.00 %
Appearance (A112077)	Colorless, transparent liquid	Colorless, transparent liquid



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su  
QA & QC Manager