

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Certificate of Analysis

Date of Testing: 2025-12-22 17:31:00
Date of Next Testing: 2026-12-22 17:31:00
Product Name: **Ammonia solution**
CAS Number: 1336-21-6
Specifications & Purity: electronic grade, $\geq 28\%$ NH₃ in H₂O
Lot #: L2517167
SKU #: **A112083**
Version: **2**
Analysis #: **612104**
Storage Temperature: Store at 2-8°C, Protected from light

Parameter	Limit Values	Result
Cadmium(Cd)	0-50 (ppb)	0.00100 ppb
Calcium(Ca)	0-0.5 (ppm)	0.00100 ppm
Assay(as NH ₃)	28-30 (%)	29.14000 %
Germanium(Ge)	0-50 (ppb)	0.00100 ppb
Magnesium(Mg)	0-50 (ppb)	0.00100 ppb
Beryllium(Be)	0-50 (ppb)	0.00100 ppb
Barium(Ba)	0-50 (ppb)	0.00100 ppb
Stannum(Sn)	0-50 (ppb)	0.00100 ppb
Gallium(Ga)	0-50 (ppb)	0.00100 ppb
Sb	0-50 (ppb)	0.00100 ppb
Aluminum(Al)	0-50 (ppb)	0.00100 ppb
Copper(Cu)	0-40 (ppb)	0.00100 ppb
Cobalt(Co)	0-50 (ppb)	0.00100 ppb
Chromium(Cr)	0-50 (ppb)	0.00100 ppb
Lithium(Li)	0-50 (ppb)	0.00100 ppb
Titanium(Ti)	0-50 (ppb)	0.00100 ppb
Ta	0-50 (ppb)	0.00100 ppb
Zirconium(Zr)	0-50 (ppb)	0.00100 ppb
Chloride(Cl ⁻)	0-0.3 (ppm)	0.00026 ppm
Strontium(Sr)	0-50 (ppb)	2.52300 ppb
Silver(Ag)	0-20 (ppb)	0.00100 ppb
Niobium(Nb)	0-50 (ppb)	0.00100 ppb
Sodium(Na)	0-50 (ppb)	0.00100 ppb
Sulfate(SO ₄ ²⁻)	0-0.8 (ppm)	0.00500 ppm
(Pb)Lead	0-25 (ppb)	0.00100 ppb

Shanghai Aladdin Biochemical Technology Co., LTD
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

Parameter	Limit Values	Result
Potassium(K)	0-50 (ppb)	0.00100 ppb
Manganese(Mn)	0-50 (ppb)	0.00100 ppb
Bismuth(Bi)	0-50 (ppb)	0.00100 ppb
(As)Arsenic	0-50 (ppb)	0.00100 ppb
Molybdenum(Mo)	0-50 (ppb)	0.00100 ppb
Zinc(Zn)	0-30 (ppb)	0.00100 ppb
Phospate(PO4)	0-0.4 (ppm)	0.00030 ppm
Boron(B)	0-50 (ppb)	0.00100 ppb
Vanadium(V)	0-50 (ppb)	0.00100 ppb
Nickel(Ni)	0-20 (ppb)	0.00100 ppb
Iron(Fe)	0-50 (ppb)	0.00100 ppb
Aurum(Au)	0-50 (ppb)	0.00100 ppb
Solvent(H2O)	Conform	Conform

