

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-22 17:20:56
 Date of Next Testing: 2028-04-21 17:20:56
 Product Name: **Triethylene glycol**
 CAS Number: 112-27-6
 Specifications & Purity: UltraBio™, anhydrous, ≥99%(GC)
 Lot #: D2521308
 SKU #: **T755680**
 Version: **1**
 Analysis #: **498420**
 Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.80000 %
Refractive index n20/D	1.455-1.457	1.45600
Water(Coulometr.)	0-0.08 (%)	0.00000 %
Traces Peroxide(As H2O2)	0-100 (ppm)	0.25300 ppm
Aluminium(Al)	0-5 (ppm)	0.23600 ppm
Barium(Ba)	0-5 (ppm)	0.02500 ppm
Bismuth(Bi)	0-5 (ppm)	0.02400 ppm
Calcium(Ca)	0-10 (ppm)	0.52600 ppm
Cadmium(Cd)	0-5 (ppm)	0.35200 ppm
Cobalt(Co)	0-5 (ppm)	0.25020 ppm
Chromium(Cr)	0-5 (ppm)	0.23500 ppm
Copper(Cu)	0-5 (ppm)	0.12500 ppm
Iron(Fe)	0-5 (ppm)	0.23500 ppm
Potassium(K)	0-200 (ppm)	1.52600 ppm
Lithium(Li)	0-5 (ppm)	0.32500 ppm
Magnesium(Mg)	0-5 (ppm)	0.25400 ppm
Manganese(Mn)	0-5 (ppm)	0.32500 ppm
Molybdenum(Mo)	0-55 (ppm)	0.23500 ppm
Sodium(Na)	0-200 (ppm)	1.25300 ppm
Nickel(Ni)	0-55 (ppm)	0.23600 ppm
Lead(Pb)	0-5 (ppm)	0.02500 ppm
Strontium(Sr)	0-5 (ppm)	0.10500 ppm
Zinc(Zn)	0-5 (ppm)	0.23400 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.03250 ppm
Total Sulfur as SO4(SO4)	0-50 (ppm)	0.52600 ppm

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Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	0.52300 ppm
pH	5.5-7.0	5.50000
UV Absorbance 260nm	0-0.1	0.02000
UV Absorbance 280nm	0-0.05	0.01000
Appearance(T755680)	Colorless Liquid or Viscous Liquid	Colorless liquid or viscous liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
metal trace analysis (icp)	corresponds to requirements	CORRESPONDS TO REQUIREMENTS
Solubility(method 1.500 G IN 30 ML H2O),clear,colorless	Pass	Pass
Residue(filter test,No residue)	Pass	Pass



John Su
QA & QC Manager