

ALADDIN SCIENTIFIC CORPORATION
 14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-11-27 14:23:32
 Date of Next Testing: 2028-11-26 14:23:32
 Product Name: **Triethylene glycol**
 CAS Number: 112-27-6
 Specifications & Purity: UltraBio™, anhydrous, ≥99%(GC)
 Lot #: K2525491
 SKU #: **T755680**
 Version: **1**
 Analysis #: **610284**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.60 %
Refractive index n20/D	1.455-1.457	1.46
Water(Coulometr.)	0-0.08 (%)	0.05 %
Traces Peroxide(As H2O2)	0-100 (ppm)	12.52600 ppm
Aluminium(Al)	0-5 (ppm)	0.52600 ppm
Barium(Ba)	0-5 (ppm)	0.25 ppm
Bismuth(Bi)	0-5 (ppm)	0.16 ppm
Calcium(Ca)	0-10 (ppm)	1.58 ppm
Cadmium(Cd)	0-5 (ppm)	0.04 ppm
Cobalt(Co)	0-5 (ppm)	0.41 ppm
Chromium(Cr)	0-5 (ppm)	0.41 ppm
Copper(Cu)	0-5 (ppm)	0.12 ppm
Iron(Fe)	0-5 (ppm)	0.02 ppm
Potassium(K)	0-200 (ppm)	14.52 ppm
Lithium(Li)	0-5 (ppm)	0.04 ppm
Magnesium(Mg)	0-5 (ppm)	0.16 ppm
Manganese(Mn)	0-5 (ppm)	0.00 ppm
Molybdenum(Mo)	0-55 (ppm)	0.53 ppm
Sodium(Na)	0-200 (ppm)	14.26 ppm
Nickel(Ni)	0-55 (ppm)	0.42 ppm
Lead(Pb)	0-5 (ppm)	0.03 ppm
Strontium(Sr)	0-5 (ppm)	0.15 ppm
Zinc(Zn)	0-5 (ppm)	0.42 ppm
Arsenic traces(MHS-AAS)	0-0.1 (ppm)	0.01 ppm
Total Sulfur as SO4(SO4)	0-50 (ppm)	1.28300 ppm

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Parameter	Limit Values	Result
Chloride (Cl-)	0-50 (ppm)	1.82 ppm
pH	5.5-7.0	5.80
UV Absorbance 260nm	0-0.1	0.07
UV Absorbance 280nm	0-0.05	0.03
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