

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-08-25 13:15:52

Date of Next Testing: 2028-08-24 13:15:52

Product Name: **Poly(ethylene glycol) (PEG)**

CAS Number: 25322-68-3

Specifications & Purity: UltraBio™, Ultra pure, 6000

Lot #: H2518649

SKU #: **P615486**

Version: **2**

Analysis #: **502576**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Water by Karl Fischer	0-0.5 (%)	0.20000 %
Sulphated ash	0-0.2 (%)	0.10000 %
Melting point	60-63 (°C)	61.00000 °C
Viscosity(50% in H ₂ O , 20°C)	210-262 (mPa·S)	224.00000 mPa·S
Hydroxyl value	16-23 (mg/g)	19.00000 mg/g
Peroxide (as H ₂ O ₂)	< 20 (ppm)	1.52600 ppm
Aluminum(Al)	0-5 (ppm)	0.32500 ppm
Barium(Ba)	0-5 (ppm)	0.25300 ppm
Bismuth(Bi)	0-5 (ppm)	0.45800 ppm
Calcium(Ca)	0-10 (ppm)	0.55300 ppm
Cadmium(Cd)	0-5 (ppm)	0.18200 ppm
Cobalt(Co)	0-5 (ppm)	0.36500 ppm
Chromium(Cr)	0-5 (ppm)	0.41500 ppm
Copper(Cu)	0-5 (ppm)	0.15200 ppm
Iron(Fe)	0-5 (ppm)	0.45800 ppm
Potassium(K)	0-200 (ppm)	0.11500 ppm
Lithium(Li)	0-5 (ppm)	0.15360 ppm
Magnesium(Mg)	0-5 (ppm)	0.15800 ppm
Manganese(Mn)	0-5 (ppm)	0.11500 ppm
Molybdenum(Mo)	0-5 (ppm)	0.18900 ppm
Sodium(Na)	0-200 (ppm)	0.14700 ppm
Nickel(Ni)	0-5 (ppm)	0.17500 ppm
Lead(Pb)	0-5 (ppm)	0.54200 ppm
Strontium(Sr)	0-5 (ppm)	0.18800 ppm
Zinc(Zn)	0-5 (ppm)	0.45800 ppm

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Parameter	Limit Values	Result
Arsenic(As)	0-0.1 (ppm)	0.00254 ppm
Total sulfur as SO ₄ (ICP)	0-50 (ppm)	2.35200 ppm
Chloride (Cl ⁻)	0-50 (ppm)	5.30250 ppm
PH(1.5 in 30ml H ₂ O)	5.5-7.0	6.00000
Molecular Mass (Calculated from Hydroxyl Value)	5000-7000	6006.00000
Appearance(P615486)	Colorless or White Powder or Crystals or Flakes	Colorless or White Powder or Crystals or Flakes
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager