

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-13 14:57:17  
Date of Next Testing: 2029-05-12 14:57:17  
Product Name: **Poly(ethylene glycol) (PEG)**  
CAS Number: 25322-68-3  
Specifications & Purity: UltraBio™, Ultra pure, 6000  
Lot #: E2609558  
SKU #: **P615486**  
Version: **2**  
Analysis #: **699181**  
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 <sub>2</sub> O , 20°C)	210-262 (mPa·S)	224.00000 mPa·S
Hydroxyl value	16-23 (mg/g)	19.00000 mg/g
Peroxide (as H <sub>2</sub> O <sub>2</sub> )	< 20 (ppm)	10.32500 ppm
Aluminum(Al)	0-5 (ppm)	0.23500 ppm
Barium(Ba)	0-5 (ppm)	0.02360 ppm
Bismuth(Bi)	0-5 (ppm)	0.10200 ppm
Calcium(Ca)	0-10 (ppm)	1.32500 ppm
Cadmium(Cd)	0-5 (ppm)	0.32580 ppm
Cobalt(Co)	0-5 (ppm)	0.01250 ppm
Chromium(Cr)	0-5 (ppm)	0.13500 ppm
Copper(Cu)	0-5 (ppm)	0.15200 ppm
Iron(Fe)	0-5 (ppm)	0.25200 ppm
Potassium(K)	0-200 (ppm)	1.52600 ppm
Lithium(Li)	0-5 (ppm)	0.02360 ppm
Magnesium(Mg)	0-5 (ppm)	2.15600 ppm
Manganese(Mn)	0-5 (ppm)	0.36250 ppm
Molybdenum(Mo)	0-5 (ppm)	0.21400 ppm
Sodium(Na)	0-200 (ppm)	1.03600 ppm
Nickel(Ni)	0-5 (ppm)	0.32500 ppm
Lead(Pb)	0-5 (ppm)	0.52920 ppm
Strontium(Sr)	0-5 (ppm)	0.15200 ppm
Zinc(Zn)	0-5 (ppm)	0.00200 ppm

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Parameter	Limit Values	Result
Arsenic(As)	0-0.1 (ppm)	0.02400 ppm
Total sulfur as SO4 (ICP)	0-50 (ppm)	1.36200 ppm
Chloride (Cl-)	0-50 (ppm)	0.53600 ppm
PH(1.5 in 30ml H2O)	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