

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-21 11:13:56

Date of Next Testing: 2028-12-20 11:13:56

Product Name: **Polyethylene glycol (PEG)**

CAS Number: 25322-68-3

Specifications & Purity: average Mn 20000

Lot #: L2419740

SKU #: **P103730**

Version: **2**

Analysis #: **441445**

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
pH	4-7	5.03000
Water by Karl Fischer	0-1 (%)	0.61420 %
Sulfate Ash	0-0.2 (%)	0.00000 %
Melting point	63-66 (°C)	65.42000 °C
Hydroxy Value	4.5-7 (mgKOH/g)	6.01000 mgKOH/g
Residue on Ignition	0-0.2 (%)	0.05492 %
Viscosity(250mg/ml in water, 40°C)	26-50 (mm ² /s)	26.01000 mm ² /s
Average Mn	18500-22000	18500.00000
Appearance (P103730)	white powder or flakes or particles	white powder or flakes or particles
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in hot H ₂ O , Colorless, Clear, 1g/10ml	pass	Pass



John Su
QA & QC Manager