

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-07-23 18:56:06

Date of Next Testing: 2029-07-22 18:56:06

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

CAS Number: 25322-68-3

Specifications & Purity: average Mn 20000

Lot #: G2522357

SKU #: **P103730**

Version: **2**

Analysis #: **489184**

Storage Temperature: Room temperature, Desiccated, Cool

Parameter	Limit Values	Result
pH	4-7	5.47700
Water by Karl Fischer	0-1 (%)	0.67020 %
Sulfate Ash	0-0.2 (%)	0.13423 %
Viscosity(250mg/ml in water, 40°C)	26-50 (mm ² /s)	43.56666 mm ² /s
Melting point	63-66 (°C)	64.60000 °C
Hydroxy Value	4.5-7 (mgKOH/g)	6.80000 mgKOH/g
Average Mn	18500-22000	18501.00000
Residue on Ignition	0-0.2 (%)	0.20000 %
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