

Certificate of Analysis

Date of Testing: 2025-07-23 09:05:35

Date of Next Testing: 2029-07-22 09:05:35

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

CAS Number: 25322-68-3

Specifications & Purity: average Mn 20000

Lot #: G2516042

SKU #: **P103730**

Version: **2**

Analysis #: **441445**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
PH	4-7	5.03
Water by Karl Fischer	0-1 (%)	0.61 %
Sulfate Ash	0-0.2 (%)	0.00 %
Melting point	63-66 (°C)	65.42000 °C
Hydroxy Value	4.5-7 (mgKOH/g)	6.01 mgKOH/g
Residue on Ignition	0-0.2 (%)	0.05492 %
Viscosity(250mg/ml in water,40°C)	26-50 (mm2/s)	26.01 mm2/s
Average Mn	18500-22000	18500.00
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 H2O , Colorless,Clear,1g/10ml	pass	Pass



John Su
QA & QC Manager