

## Certificate of Analysis

Date of Testing: 2024-12-21 15:27:58  
Date of Next Testing: 2028-12-20 15:27:58  
Product Name: **Polyethylene glycol (PEG)**  
CAS Number: 25322-68-3  
Specifications & Purity: average Mn 20000  
Lot #: L2419732  
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 (mm <sup>2</sup> /s)	26.01 mm <sup>2</sup> /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 H <sub>2</sub> O , Colorless,Clear,1g/10ml	pass	Pass



John Su  
QA & QC Manager