

Certificate of Analysis

Date of Testing: 2024-10-29 14:23:50

Date of Next Testing: 2028-10-28 14:23:50

Product Name: **Polyethylene glycol**

CAS Number: 25322-68-3

Specifications & Purity: average Mn 20000

Lot #: J2424871

SKU #: **P103730**

Version: **2**

Analysis #: **413689**

Storage Temperature: Desiccated

Parameter	Limit Values	Result
PH	4-7	5.98
Average Mn	18500-22000	20116.00
Sulfate Ash	0-0.2 (%)	0.00 %
Viscosity(250mg/ml in water,40°C)	26-50 (mm ² /s)	27.21 mm ² /s
Melting point	63-66 (°C)	64.62000 °C
Hydroxy Value	4.5-7 (mgKOH/g)	5.29 mgKOH/g
Residue on Ignition	0-0.2 (%)	0.00000 %
Water by Karl Fischer	0-1 (%)	0.98 %
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