

## Certificate of Analysis

Date of Testing: 2022-03-29 13:49:43  
Date of Next Testing: 2026-03-28 13:49:43  
Product Name: **Polyethylene glycol**  
CAS Number: 25322-68-3  
Specifications & Purity: average Mn 20000  
Lot #: C2228204  
SKU #: **P103730**  
**Analysis:** **084499**  
Storage Temperature: Desiccated

Parameter	Limit Values	Result
PH	4-7	4.54
loss on Ignition	0-0.2 (%)	0.13 %
Water by Karl Fischer	0-1 (%)	0.03 %
Average Mn	18500-22000	20000.00
Sulfate Ash	0-0.2 (%)	0.15 %
Viscosity(250mg/ml in water,40°C)	26-50 (mm <sup>2</sup> /s)	26.49 mm <sup>2</sup> /s
Melting point	63-66 (°C)	63.83000 °C
Hydroxy Value	4.5-7 (mgKOH/g)	5.50 mgKOH/g
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