

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-03-14 16:30:26
Date of Next Testing: 2028-03-13 16:30:26
Product Name: **Polyethylene glycol**
CAS Number: 25322-68-3
Specifications & Purity: average Mn 20000
Lot #: C2412381
SKU #: **P103730**
Analysis: **323778**
Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|--|-------------------------------------|-------------------------------------|
| PH | 4-7 | 5.09 |
| loss on Ignition | 0-0.2 (%) | 0.10 % |
| Water by Karl Fischer | 0-1 (%) | 0.53 % |
| Average Mn | 18500-22000 | 19000.00 |
| Sulfate Ash | 0-0.2 (%) | 0.10 % |
| Melting point | 63-66 (°C) | 64.04000 °C |
| Hydroxy Value | 4.5-7 (mgKOH/g) | 5.30 mgKOH/g |
| Viscosity(250mg/ml in water,40°C) | 26-50 (mm ² /s) | 26.10 mm ² /s |
| Appearance (P103730) | white powder or flakes or particles | white powder or flakes or particles |
| Solubility in hot H ₂ O , Colorless,Clear,1g/10ml | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager