

Certificate of Analysis

Date of Testing: 2023-06-14 13:57:57

Date of Next Testing: 2027-06-13 13:57:57

Product Name: **Polyethylene glycol**

CAS Number: 25322-68-3

Specifications & Purity: average Mn 20000

Lot #: F2308417

SKU #: **P103730**

Analysis: **226383**

Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|---|-------------------------------------|-------------------------------------|
| PH | 4-7 | 6.54 |
| loss on Ignition | 0-0.2 (%) | 0.11% |
| Water by Karl Fischer | 0-1 (%) | 0.39% |
| Average Mn | 18500-22000 | 18710.00 |
| Sulfate Ash | 0-0.2 (%) | 0.15% |
| Melting point | 63-66 (°C) | 63.95000 °C |
| Hydroxy Value | 4.5-7 (mgKOH/g) | 5.83 mgKOH/g |
| Viscosity(250mg/ml in water,40°C) | 26-50 (mm2/s) | 48.25 mm2/s |
| Appearance (P103730) | white powder or flakes or particles | white powder or flakes or particles |
| Solubility in hot H2O , Colorless,Clear,1g/10ml | pass | Pass |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager