

## Certificate of Analysis

Date of Testing: 2022-12-06 19:17:45  
Date of Next Testing: 2026-12-05 19:17:45  
Product Name: **Polyethylene glycol**  
CAS Number: 25322-68-3  
Specifications & Purity: average Mn 8000  
Lot #: L2205775  
SKU #: **P103734**  
**Analysis: 149514**  
Storage Temperature: Desiccated

| Parameter   | Limit Values                        | Result                              |
|---|-------------------------------------|-------------------------------------|
| PH  | 4-7                                 | 5.02                                |
| loss on Ignition  | 0-0.2 (%)                           | 0.16 %                              |
| Water by Karl Fischer   | 0-1 (%)                             | 0.38 %                              |
| Melting point   | 59-64 (°C)                          | 61.85200 °C                         |
| mol wt average MW   | 7000-9000                           | 8980.00                             |
| Kinematic viscosity   | 16-21 (mm <sup>2</sup> /s)          | 19.12 mm <sup>2</sup> /s            |
| Appearance (P103734)  | white to off-white powder or flakes | white to off-white powder or flakes |
| Infrared spectrum   | Conforms to Structure               | Conforms to Structure               |
| Solubility in H <sub>2</sub> O , Colorless, clear to slightly hazy, 100 mg/ml | pass                                | Pass                                |



John Su  
QA & QC Manager