

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-01-13 08:52:31  
 Date of Next Testing: 2030-01-12 08:52:31  
 Product Name: **Polyethylene glycol (PEG)**  
 CAS Number: 25322-68-3  
 Specifications & Purity: average Mn 8000  
 Lot #: A2604823  
 SKU #: **P103734**  
 Version: **4**  
 Analysis #: **616809**  
 Storage Temperature: Room temperature, Desiccated, Cool

| Parameter                                                                     | Limit Values                        | Result                              |
|-------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| loss on Ignition                                                              | 0-0.2 (%)                           | 0.10000 %                           |
| Water by Karl Fischer                                                         | 0-1 (%)                             | 0.50000 %                           |
| Melting point                                                                 | 59-64 (°C)                          | 60.20000 °C                         |
| Average Mn                                                                    | 7000-9000                           | 8713.00000                          |
| PH(5% in water)                                                               | 4-7                                 | 6.75000                             |
| Kinematic viscosity                                                           | 16-21 (mm <sup>2</sup> /s)          | 16.50000 mm <sup>2</sup> /s         |
| Appearance (P103734)                                                          | white to off-white powder or flakes | white to off-white powder or flakes |
| Solubility in H <sub>2</sub> O , Colorless, clear to slightly hazy, 100 mg/ml | pass                                | Pass                                |
| Infrared spectrum                                                             | Conforms to Structure               | Conforms to Structure               |



John Su  
QA & QC Manager