

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-04-07 14:47:00  
Date of Next Testing: 2028-04-06 14:47:00  
Product Name: **Polyethylene glycol**  
CAS Number: 25322-68-3  
Specifications & Purity: average Mn 6000  
Lot #: C2429943  
SKU #: **P103725**  
**Analysis: 335281**  
Storage Temperature: Desiccated

| Parameter                      | Limit Values                                    | Result  |
|--------------------------------|---|---|
| Melting point                  | 62-65 (°C)                                      | 63.06000 °C                                     |
| Hydroxy Value                  | 16-22 (mgKOH/g)                                 | 19.63 mgKOH/g                                   |
| Molecular number               | 5400-7800                                       | 5655.00   |
| Water by Karl Fischer          | 0-1 (%)   | 0.36 %  |
| PH(5% in water)                | 5-8   | 5.27  |
| Ignition Residue               | 0-0.2 (%)                                       | 0.02 %  |
| viscosity                      | 10.5-16.5 (mm <sup>2</sup> /s)                  | 13.52 mm <sup>2</sup> /s                        |
| Ethyleneoxide                  | 0-1 (ppm)                                       | 1.00 ppm  |
| Appearance (P103725)           | Colorless or White Powder or Crystals or Flakes | Colorless or White Powder or Crystals or Flakes |
| Solubility in H <sub>2</sub> O | Almost transparency                             | almost transparency                             |



John Su  
QA & QC Manager