

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-07-22 14:01:58

Date of Next Testing: 2027-07-21 14:01:58

Product Name: **Polyethylene glycol**

CAS Number: 25322-68-3

Specifications &amp; Purity: average Mn 6000

Lot #: G2314002

SKU #: **P103725****Analysis: 216951**

Storage Temperature: Desiccated

| Parameter                      | Limit Values                                    | Result  |
|--------------------------------|---|---|
| Melting point                  | 62-65 (°C)                                      | 63.23000 °C                                     |
| Hydroxy Value                  | 16-22 (mgKOH/g)                                 | 18.63 mgKOH/g                                   |
| Molecular number               | 5400-7800                                       | 6006.00   |
| Water by Karl Fischer          | 0-1 (%)   | 0.39 %  |
| PH(5% in water)                | 5-8   | 5.38  |
| Ignition Residue               | 0-0.2 (%)                                       | 0.17 %  |
| viscosity                      | 10.5-16.5 (mm <sup>2</sup> /s)                  | 12.85 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