

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-27 13:23:53

Date of Next Testing: 2027-05-26 13:23:53

Product Name: **Polyethylene glycol**

CAS Number: 25322-68-3

Specifications & Purity: average Mn 6000

Lot #: E23261197

SKU #: **P103725****Analysis:** **217591**

Storage Temperature: Desiccated

| Parameter | Limit Values | Result |
|--------------------------------|---|---|
| Melting point | 62-65 (°C) | 62.13000 °C |
| Hydroxy Value | 16-22 (mgKOH/g) | 20.30 mgKOH/g |
| Molecular number | 5400-7800 | 5828.00 |
| Water by Karl Fischer | 0-1 (%) | 0.54 % |
| PH(5% in water) | 5-8 | 5.70 |
| Ignition Residue | 0-0.2 (%) | 0.10 % |
| viscosity | 10.5-16.5 (mm ² /s) | 12.80 mm ² /s |
| Ethyleneoxide | 0-1 (ppm) | 0.80 ppm |
| Appearance (P103725) | Colorless or White Powder or Crystals or Flakes | Colorless or White Powder or Crystals or Flakes |
| Solubility in H ₂ O | Almost transparency | almost transparency |

John Su
QA & QC Manager