

## Certificate of Analysis

Date of Testing: 2024-10-19 08:34:02

Date of Next Testing: 2028-10-18 08:34:02

Product Name: **Polyethylene glycol**

CAS Number: 25322-68-3

Specifications & Purity: average Mn 6000

Lot #: J2411956

SKU #: **P103725**

Version: **1**

Analysis #: **413795**

Storage Temperature: Desiccated

| Parameter                      | Limit Values                                    | Result                                          |
|--------------------------------|-------------------------------------------------|-------------------------------------------------|
| Melting point                  | 62-65 (°C)                                      | 62.18000 °C                                     |
| Molecular number               | 5400-7800                                       | 5595.00                                         |
| Water by Karl Fischer          | 0-1 (%)                                         | 0.92 %                                          |
| PH(5% in water)                | 5-8                                             | 5.63                                            |
| Ignition Residue               | 0-0.2 (%)                                       | 0.00 %                                          |
| Hydroxy Value                  | 16-22 (mgKOH/g)                                 | 16.01 mgKOH/g                                   |
| viscosity                      | 10.5-16.5 (mm <sup>2</sup> /s)                  | 10.60 mm <sup>2</sup> /s                        |
| Ethyleneoxide                  | 0-1 (ppm)                                       | 0.50 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                             |



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