

## Certificate of Analysis

Date of Testing: 2024-10-28 09:39:31

Date of Next Testing: 2028-10-27 09:39:31

Product Name: **Polyethylene glycol (PEG)**

CAS Number: 25322-68-3

Specifications & Purity: average Mn 8000

Lot #: J2422860

SKU #: **P103734**

Version: **4**

Analysis #: **409994**

Storage Temperature: Desiccated

| Parameter                                                                    | Limit Values                        | Result                              |
|------------------------------------------------------------------------------|-------------------------------------|-------------------------------------|
| loss on Ignition                                                             | 0-0.2 (%)                           | 0.00 %                              |
| Water by Karl Fischer                                                        | 0-1 (%)                             | 0.20 %                              |
| Melting point                                                                | 59-64 (°C)                          | 60.00000 °C                         |
| PH(5% in water)                                                              | 4-7                                 | 5.21                                |
| Kinematic viscosity                                                          | 16-21 (mm <sup>2</sup> /s)          | 19.35 mm <sup>2</sup> /s            |
| Average Mn                                                                   | 7000-9000                           | 8176.00                             |
| Appearance (P103734)                                                         | white to off-white powder or flakes | white to off-white powder or flakes |
| Infrared spectrum                                                            | Conforms to Structure               | Conforms to Structure               |
| Solubility in H <sub>2</sub> O , Colorless, clear to slightly hazy,100 mg/ml | pass                                | Pass                                |



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