

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-02-11 16:02:40  
 Date of Next Testing: 2029-02-10 16:02:40  
 Product Name: **Poly(propylene glycol) (PPG)**  
 CAS Number: 25322-69-4  
 Specifications & Purity: average Mw 3000  
 Lot #: B2507087  
 SKU #: **P103211**  
 Version: **3**  
 Analysis #: **083902**  
 Storage Temperature: Room temperature

| Parameter                           | Limit Values          | Result                |
|-------------------------------------|-----------------------|-----------------------|
| Hydroxy Value                       | 35-40 (mgKOH/g)       | 38.00000 mgKOH/g      |
| Refractive index n <sub>20</sub> /D | 1.45-1.452            | 1.45130               |
| Water by Karl Fischer               | 0-0.05 (%)            | 0.02600 %             |
| Acid Value                          | 0-0.08 (mgKOH/g)      | 0.04500 mgKOH/g       |
| Appearance (P103211)                | Colorless Liquid      | Colorless liquid      |
| Functional testing                  | pass                  | Pass                  |
| Infrared spectrum                   | Conforms to Structure | Conforms to Structure |
| Molecular Weight                    | Conforms              | Conforms              |
| viscosity , 600-650 mPa.s           | Conforms              | Conforms              |



John Su  
QA & QC Manager