

ALADDIN SCIENTIFIC CORPORATION  
14078 Meridian Parkway, Riverside, CA. 92518

### Certificate of Analysis

Date of Testing: 2025-05-16 15:00:01  
Date of Next Testing: 2027-05-06 15:00:01  
Product Name: **Polyethylene oxide (PEO)**  
CAS Number: 68441-17-8  
Specifications & Purity: average Mv ~4,000,000,powder  
Lot #: E2513031  
SKU #: **P101346**  
Version: **1**  
Analysis #: **428450**  
Storage Temperature: Room temperature,Argon charged,Desiccated

| Parameter                             | Limit Values                    | Result                          |
|---------------------------------------|---------------------------------|---------------------------------|
| Ignition Residue                      | 0-3 (%)                         | 2.50000 %                       |
| Loss on drying                        | 0-10 (%)                        | 2.00000 %                       |
| PH(0.5% Water,25°C)                   | 6-10                            | 7.11000                         |
| Dynamic Viscosity(0.5% in Water,25°C) | 130-250 (cP)                    | 215.00000 cP                    |
| Average Mv                            | 3300000-4300000                 | 3550000.00000                   |
| Appearance (P101346)                  | White Powder or Granular Powder | White Powder or Granular Powder |
| Infrared spectrum                     | Conforms to Structure           | Conforms to Structure           |
| Stability (200-500 ppm BHT)           | Conforms                        | Conforms                        |



John Su  
QA & QC Manager