

## Certificate of Analysis

Date of Testing: 2023-06-25 17:18:56  
Date of Next Testing: 2026-06-24 17:18:56  
Product Name: **Poly(ethylene glycol-ran-propylene glycol) monobutyl ether**  
CAS Number: 9038-95-3  
Specifications & Purity: average Mn ~3,900  
Lot #: F2310559  
SKU #: **P340766**  
**Analysis:** **216712**  
Storage Temperature: Room temperature

| Parameter             | Limit Values             | Result                   |
|-----------------------|--------------------------|--------------------------|
| Water by Karl Fischer | ≤1 (%)                   | 0.39 %                   |
| PH(1% in Water)       | 5.0-7.5                  | 5.37                     |
| Hydroxy Value         | 12-16 (mgKOH/g)          | 15.91 mgKOH/g            |
| Appearance(P340766)   | Colorless Viscous Liquid | colorless viscous liquid |
| Average Mn            | Conforms                 | Conforms                 |
| Infrared spectrum     | Conforms to Structure    | Conforms to Structure    |



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