

## Certificate of Analysis

Date of Testing: 2023-08-16 15:35:12  
Date of Next Testing: 2027-08-15 15:35:12  
Product Name: **Poly(ethylene glycol) tetrahydrofurfuryl ether**  
CAS Number: 31692-85-0  
Specifications & Purity: average Mn 200  
Lot #: H2314503  
SKU #: **T121212**  
**Analysis:** **260051**  
Storage Temperature: Store at 2-8°C

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Heavy metals             | 0-0.0005 (%)          | 0.00 %                |
| Average Molecular Weight | 190-210               | 201.00                |
| PH(10% Aqueous Water)    | 4.5-6.5               | 5.00                  |
| Water by Karl Fischer    | 0-0.5 (%)             | 0.10 %                |
| Chloride (Cl-)           | 0-10 (ppm)            | 9.60 ppm              |
| Sulfate(SO42-)           | 0-0.001 (%)           | 0.00 %                |
| Appearance (T121212)     | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum        | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager