

Shanghai yuanye Bio-Technology Co., Ltd

465 Changta Road, SongJiang District, Shanghai 201604, China

## Certificate of Analysis

Date of Testing: 2025-03-29 15:38:15

Date of Next Testing: 2028-03-28 15:38:15

Product Name: Trimethylolpropane tris[poly(propylene glycol), amine terminated] ether

CAS Number: 39423-51-3

Specifications & Purity: average  $M_n$  440

Lot #: C2520049

SKU #: S57497

Version: 0

Analysis #: 490719

Storage Temperature: Room temperature

| Parameter             | Limit Values                          | Result                                |
|-----------------------|---------------------------------------|---------------------------------------|
| Water by Karl Fischer | 0-0.25 (%)                            | 0.18 %                                |
| $M_n$                 | 390-490                               | 396.70000                             |
| Total Amines          | 6.1-6.6 (meq/g)                       | 6.41000 meq/g                         |
| Primary Amine         | 90-100 (%)                            | 97.50000 %                            |
| Infrared spectrum     | Conforms to Structure                 | Conforms to Structure                 |
| Proton NMR spectrum   | Conforms to Structure                 | Conforms to Structure                 |
| Appearance(S57497)    | Colorless to Very Faint Yellow Liquid | Colorless to Very Faint Yellow Liquid |

Quality Assurance : Xiaoyong Tan

Quality Control : Yunfei Zhu

