

## Certificate of Analysis

Date of Testing: 2025-07-05 13:53:13

Date of Next Testing: 2029-07-04 13:53:13

Product Name: **Poly(propylene glycol) bis(2-aminopropyl ether)**

CAS Number: 9046-10-0

Specifications & Purity: average Mn ~400

Lot #: G2503239

SKU #: **P108072**

Version: **2**

Analysis #: **533502**

| Parameter             | Limit Values          | Result                |
|-----------------------|-----------------------|-----------------------|
| Water by Karl Fischer | 0-0.25 (%)            | 0.11 %                |
| Total Amine           | 4.1-4.7 (mg/g)        | 4.52 mg/g             |
| Appearance (P108072)  | Colorless Liquid      | Colorless liquid      |
| Infrared spectrum     | Conforms to Structure | Conforms to Structure |

A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager