

## Certificate of Analysis

Date of Testing: 2023-12-14 16:18:21  
Date of Next Testing: 2027-12-13 16:18:21  
Product Name: **Poly(propylene glycol) bis(2-aminopropyl ether)**  
CAS Number: 9046-10-0  
Specifications & Purity: average Mn ~230  
Lot #: L2308394  
SKU #: **P108071**  
Analysis: **287728**

Parameter	Limit Values	Result
Purity	97-100 (%)	98.86 %
Water by Karl Fischer	0-0.25 (%)	0.10 %
Total Amine	8.1-8.7 (mmol/g)	8.10000 mmol/g
Appearance (P108071)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager