

## Certificate of Analysis

Date of Testing: 2023-02-18 13:55:23  
Date of Next Testing: 2027-02-17 13:55:23  
Product Name: **Diethylene Glycol Bis(3-aminopropyl) Ether**  
CAS Number: 4246-51-9  
Specifications & Purity: >98.0%(GC)(T)  
Lot #: B2311526  
SKU #: **D154773**  
Analysis: **176773**

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	100.00 %
Density (20°C)	1.007-1.012	1.01
Purity(NonaqueousTitration)	97.5-102.5 (%)	100.00 %
Refractive index n <sub>20</sub> /D	1.46-1.466	1.46
Appearance (D154773)	Colorless to light yellow liquid	Colorless to light yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager