

## Certificate of Analysis

Date of Testing: 2022-07-25 13:24:35  
Date of Next Testing: 2026-07-24 13:24:35  
Product Name: **3,3'-Diaminodipropylamine**  
CAS Number: 56-18-8  
Specifications & Purity: >98.0%(GC)  
Lot #: G2222224  
SKU #: **D155042**  
**Analysis: 110066**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Refractive index n <sub>20</sub> /D	1.48-1.483	1.48
Purity(GC)	98-100 (%)	99.80%
Density (20°C)	0.927-0.931	0.93
Appearance (D155042)	colorless to pale yellow liquid	colorless to pale yellow liquid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager