

## Certificate of Analysis

Date of Testing: 2024-05-31 11:05:34  
Date of Next Testing: 2028-05-30 11:05:34  
Product Name: **N-aminopropylmorpholine**  
CAS Number: 123-00-2  
Specifications & Purity: 98%  
Lot #: K1603048  
SKU #: **A105340**  
Version: **0**  
Analysis #: **363087**  
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Density (20°C)	0.985-0.989	0.98
Purity(GC)	98-100 (%)	98.66 %
Refractive index n <sub>20</sub> /D	1.476-1.478	1.48
Purity(Titration by HClO <sub>4</sub> )	99-100 (%)	99.97 %
Appearance (A105340)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



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QA & QC Manager