

Certificate of Analysis

Date of Testing: 2022-07-01 21:17:30
Date of Next Testing: 2026-06-30 21:17:30
Product Name: **Morpholine**
CAS Number: 110-91-8
Specifications & Purity: purified by redistillation, $\geq 99.5\%$
Lot #: F2229120
SKU #: **M109058**
Analysis: **109037**
Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.77%
Color scale	0-20 (APHA)	15.50 APHA
Appearance (M109058)	Colorless Liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager