

Certificate of Analysis

Date of Testing: 2022-11-10 13:31:53

Date of Next Testing: 2024-11-09 13:31:53

Product Name: **Morpholine**

CAS Number: 110-91-8

Specifications & Purity: Standard for GC, ≥99.5%(GC)

Lot #: A2125058

SKU #: **M109063**

Analysis: **153228**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(GC)	99.5-100 (%)	99.86 %
Appearance (M109063)	Colorless liquid	Colorless liquid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager