

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-03-07 13:16:04

Date of Next Testing: 2027-03-06 13:16:04

Product Name: **4-(3-Chloropropyl)morpholine**

CAS Number: 7357-67-7

Specifications & Purity: $\geq 95\%$

Lot #: C2303383

SKU #: **C494550**

Version: **1**

Analysis #: **195586**

Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	95-100 (%)	98.84400 %
Refractive index n ₂₀ /D	1.4705-1.4765	1.47390
Appearance(C494550)	Colorless to Light yellow clear liquid	Colorless to Light yellow clear liquid
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager