

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-01-21 17:06:54
 Date of Next Testing: 2028-01-21 17:06:54
 Product Name: **4-(2-Chloroethyl)morpholine hydrochloride**
 CAS Number: 3647-69-6
 Specifications & Purity: purum, ≥97%(AT)
 Lot #: A2509203
 SKU #: **C475733**
 Version: **1**
 Analysis #: **375026**
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Assay(Titration)	97.0-103.5 (%)	100.60000 %
Melting point	180-185 (°C)	182.63000 °C
NMR Spectrum 1H	Conforms to Structure	Conforms to Structure
Appearance(C475733)	White to Light Beige Powder or Crystals	White to Light Beige Powder or Crystals
Solubility(1g in 10ml H2O,Colorless to Very Faint Brown-Yellow,Clear)	Pass	Pass



John Su
QA & QC Manager