

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-03 14:25:51

Date of Next Testing: 2026-08-02 14:25:51

Product Name: **(2R)-2-methylmorpholine hydrochloride**

CAS Number: 168038-14-0

Specifications & Purity: $\geq 97\%$, $\geq 98\%$ (ee)

Lot #: G2329467

SKU #: **R174894**

Version: **3**

Analysis #: **237395**

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

Parameter	Limit Values	Result
Optical purity(HPLC) (ee)	98-100 (%)	99.22900 %
Purity(HPLC area)	97-100 (%)	99.22900 %
Water by Karl Fischer	0-0.6 (%)	0.56490 %
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
Appearance(R174894)	White to Off-white to Yellow Powder or Crystals	White to Off-White to Yellow Powder or Crystals



John Su
QA & QC Manager