

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-03 14:37:04
 Date of Next Testing: 2026-08-02 14:37:04
 Product Name: **(2R)-2-methylmorpholine hydrochloride**
 CAS Number: 168038-14-0
 Specifications & Purity: $\geq 97\%$, $\geq 98\%$ (ee)
 Lot #: G2329451
 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