

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2026-05-22 11:44:25
Date of Next Testing: 2029-05-21 11:44:25
Product Name: **(2R)-2-methylmorpholine hydrochloride**
CAS Number: 168038-14-0
Specifications & Purity: $\geq 97\%$, $\geq 98\%$ (ee)
Lot #: G2329460
SKU #: **R174894**
Version: **3**
Analysis #: **708632**
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

| Parameter | Limit Values | Result |
|------------------------------|---|---|
| Optical purity(HPLC) (ee) | 98-100 (%) | 99.22700 % |
| Purity(HPLC area) | 97-100 (%) | 99.22700 % |
| Water by Karl Fischer | 0-0.6 (%) | 0.56470 % |
| 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