

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-28 15:02:09  
 Date of Next Testing: 2026-06-27 15:02:09  
 Product Name: **(R)-3-Methylpiperazin-2-one**  
 CAS Number: 922178-61-8  
 Specifications & Purity:  $\geq 95\%$   
 Lot #: F2316438  
 SKU #: **R195856**  
 Version: **1**  
 Analysis #: **222549**  
 Storage Temperature: Room temperature, Argon charged

| Parameter           | Limit Values                                       | Result                                             |
|---------------------|----------------------------------------------------|----------------------------------------------------|
| Purity(HPLC area)   | 95-100 (%)                                         | 99.58400 %                                         |
| Enantiomeric Excess | 99-100 (%)                                         | 99.87000 %                                         |
| NMR Spectrum 1H     | Conforms to Structure                              | Conforms to Structure                              |
| Appearance(R195856) | white/colorless to slightly yellow to yellow solid | white/colorless to slightly yellow to yellow solid |



John Su  
QA & QC Manager