



ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-09-10 15:45:14

Date of Next Testing: 2029-09-09 15:45:14

Product Name: (R)-(-)-3-Isopropyl-2,5-piperazinedione

CAS Number: 143673-66-9

Specifications & Purity:  $\geq 97\%$

Lot #: K2122134

SKU #: I119772

Version: 1

Analysis #: 568531

Storage Temperature: Room temperature

| Parameter            | Limit Values                                           | Result                                                 |
|----------------------|--------------------------------------------------------|--------------------------------------------------------|
| Purity               | 97-100 (%)                                             | 99.00000 %                                             |
| Optical purity(ee)   | 99-100 (%)                                             | 99.90000 %                                             |
| Appearance (I119772) | White to Off-White to Light Brown Powder and/or Chunks | White to Off-White to Light Brown Powder and/or Chunks |
| Proton NMR spectrum  | Conforms to Structure                                  | Conforms to Structure                                  |

John Su  
QA & QC Manager