

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-10-17 18:42:14

Date of Next Testing: 2026-10-16 18:42:14

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

CAS Number: 143673-66-9

Specifications & Purity: $\geq 97\%$

Lot #: J22111164

SKU #: I119772

Version: 1

Analysis #: 127098

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity	97-100 (%)	98.80000 %
Optical purity(ee)	99-100 (%)	99.50000 %
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (I119772)	White to Off-White to Light Brown Powder and/or Chunks	White to Off-White to Light Brown Powder and/or Chunks



John Su
QA & QC Manager