

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-06 13:42:13
 Date of Next Testing: 2027-05-05 13:42:13
 Product Name: (R)-(-)-3-Isopropyl-2,5-piperazinedione
 CAS Number: 143673-66-9
 Specifications & Purity: $\geq 97\%$
 Lot #: I1501078
 SKU #: I119772
 Version: 1
 Analysis #: 218267
 Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity	97-100 (%)	98.00000 %
Optical purity(ee)	99-100 (%)	99.35000 %
Appearance (I119772)	Off-White to Light Brown Powder and/or Chunks	Off-White to Light Brown Powder and/or Chunks
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager