

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-01-16 15:28:26

Date of Next Testing: 2028-01-15 15:28:26

Product Name: (1R,2R)-(-)-1,2-Diaminocyclohexane

CAS Number: 20439-47-8

Specifications & Purity: ≥99%

Lot #: A2412007

SKU #: D579480

Version: 2

Analysis #: 309880

Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.86900 %
Purity(Titration by HClO ₄)	98.5-102.5 (%)	99.87000 %
Melting point	41-45 (°C)	44.29000 °C
Optical purity(HPLC)(ee)	99-100 (%)	100.00000 %
Specific Rotation [α] _{20/D} (c=5 in 1 M HCl)	-27--24 (°)	-24.02900 °
Appearance(D579480)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
NMR Spectrum 1H	Conforms to structure	Conforms to Structure



John Su
QA & QC Manager