

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing:	2024-01-17 11:07:50
Date of Next Testing:	2028-01-16 11:07:50
Product Name:	(1R,2R)-(-)-1,2-Diaminocyclohexane
CAS Number:	20439-47-8
Specifications & Purity:	≥99%
Lot #:	A2412008
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