

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-02-22 11:26:37  
 Date of Next Testing: 2026-02-21 11:26:37  
 Product Name: **(1R,2R)-(-)-1,2-Diaminocyclohexane**  
 CAS Number: 20439-47-8  
 Specifications & Purity: 98%  
 Lot #: D1812167  
 SKU #: **D102252**  
**Analysis: 076474**  
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.73 %
Specific Rotation [α] <sub>20</sub> /D(c=5 in 1mol/L HCl)	-27--24 (°)	-24.59 °
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	99.21 %
Melting point	41-45 (°C)	44.62000 °C
Appearance (D102252)	White to Off-White Solid, Powder, or Crystals	White to Off-White Solid, Powder, or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager