

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-19 18:53:07  
Date of Next Testing: 2028-12-18 18:53:07  
Product Name: **(1R,2R)-(-)-1,2-Diaminocyclohexane**  
CAS Number: 20439-47-8  
Specifications & Purity:  $\geq 99\%$   
Lot #: L2417577  
SKU #: **D579480**  
Version: **2**  
Analysis #: **441564**  
Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	99-100 (%)	99.58600 %
Purity(Titration by HClO <sub>4</sub> )	98.5-102.5 (%)	100.02000 %
Melting point	41-45 (°C)	43.59000 °C
Specific Rotation [ $\alpha$ ] <sub>20/D</sub> (c=5 in 1 M HCl)	-27--24 (°)	-24.35900 °
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