

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-08-04 15:08:45

Date of Next Testing: 2027-08-03 15:08:45

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

CAS Number: 20439-47-8

Specifications & Purity: $\geq 98\%$

Lot #: G2329294

SKU #: **D102252**

Version: **0**

Analysis #: **178532**

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

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.07300 %
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in } 1\text{mol/L HCl})}$	-27--24 (°)	-25.30200 °
Purity(Titration by HClO ₄)	97.5-102.5 (%)	100.86000 %
Melting point	41-45 (°C)	44.97000 °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