

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2022-06-20 17:10:37
 Date of Next Testing: 2026-06-19 17:10:37
 Product Name: **(1R,2R)-(-)-1,2-Diaminocyclohexane**
 CAS Number: 20439-47-8
 Specifications & Purity: $\geq 98\%$
 Lot #: H1822105
 SKU #: **D102252**
 Version: **0**
 Analysis #: **103175**
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.57300 %
Specific Rotation $[\alpha]_{20/D(c=5 \text{ in } 1\text{mol/L HCl})}$	-27--24 (°)	-26.50000 °
Purity(Titration by HClO ₄)	97.5-102.5 (%)	99.42000 %
Melting point	41-45 (°C)	43.50000 °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