

Certificate of Analysis

Date of Testing: 2023-08-05 14:50:26

Date of Next Testing: 2027-08-04 14:50:26

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

CAS Number: 20439-47-8

Specifications & Purity: 98%

Lot #: G2329193

SKU #: **D102252**

Analysis: **178532**

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

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.07 %
Specific Rotation [α] ₂₀ /D(c=5 in 1mol/L HCl)	-27--24 (°)	-25.30 °
Purity(Titration by HClO ₄)	97.5-102.5 (%)	100.86 %
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