

Certificate of Analysis

Date of Testing: 2022-06-20 17:13:31
 Date of Next Testing: 2026-06-19 17:13:31
 Product Name: **(1R,2R)-(-)-1,2-Diaminocyclohexane**
 CAS Number: 20439-47-8
 Specifications & Purity: 98%
 Lot #: H1822103
 SKU #: **D102252**
Analysis: 103176
 Storage Temperature: Store at 2-8°C, Protected from light, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.56 %
Specific Rotation [α] ₂₀ /D(c=5 in 1mol/L HCl)	-27--24 (°)	-26.30°
Purity(Titration by HClO ₄)	97.5-102.5 (%)	99.31 %
Melting point	41-45 (°C)	43.40000 °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