

Certificate of Analysis

Date of Testing: 2023-11-06 10:38:13

Date of Next Testing: 2027-11-05 10:38:13

Product Name: **(1S,2S)-(+)-1,2-Diaminocyclohexane**

CAS Number: 21436-03-3

Specifications & Purity: 98%

Lot #: J2331028

SKU #: **D102251**

Analysis: **056793**

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

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=5 in 1mol/L HCl)	24-27 (°)	24.93°
Purity(GC)	98-100 (%)	99.22%
Enantiometric Excess	98.5-100 (%)	99.87%
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.25%
Melting point	41-45 (°C)	44.98000 °C
Appearance (D102251)	white to beige powder or crystals	white to beige powder or crystals
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager