

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-12 16:23:36
 Date of Next Testing: 2027-06-11 16:23:36
 Product Name: (1S,2S)-(+)-1,2-Diaminocyclohexane
 CAS Number: 21436-03-3
 Specifications & Purity: ≥98%
 Lot #: F2302682
 SKU #: D102251
 Version: 0
 Analysis #: 160516
 Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.22100 %
Enantiometric Excess	98.5-100 (%)	99.36500 %
Melting point	41-45 (°C)	44.64000 °C
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.03000 %
Specific Rotation [α] ₂₀ /D(c=5 in 1mol/L HCl)	24-27 (°)	26.58900 °
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