

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-12 16:04:39
Date of Next Testing: 2027-06-11 16:04:39
Product Name: **(1S,2S)-(+)-1,2-Diaminocyclohexane**
CAS Number: 21436-03-3
Specifications & Purity: 98%
Lot #: F2302679
SKU #: **D102251**
Version: **0**
Analysis #: **160516**
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	99.22%
Enantiometric Excess	98.5-100 (%)	99.36%
Melting point	41-45 (°C)	44.64000 °C
Purity(Nonaqueous Titration)	97.5-102.5 (%)	98.03%
Specific Rotation $[\alpha]_{20}^D(c=5 \text{ in } 1\text{mol/L HCl})$	24-27 (°)	26.59°
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