

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-04-08 13:59:17  
Date of Next Testing: 2029-04-07 13:59:17  
Product Name: **(1S,2S)-(+)-1,2-Diaminocyclohexane**  
CAS Number: 21436-03-3  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2130363  
SKU #: **D102251**  
Version: **0**  
Analysis #: **491336**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation [a] <sub>D</sub> 20/D(c=5 in 1mol/L HCl)	24-27 (°)	25.60000 °
Purity(GC)	98-100 (%)	99.70000 %
Enantiometric Excess	98.5-100 (%)	99.07000 %
Melting point	41-45 (°C)	42.10000 °C
Purity(Nonaqueous Titration)	97.5-102.5 (%)	99.00000 %
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