

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-06-30 15:50:43  
Date of Next Testing: 2029-06-29 15:50:43  
Product Name: **(1S,2S)-(+)-1,2-Diaminocyclohexane**  
CAS Number: 21436-03-3  
Specifications & Purity:  $\geq 98\%$   
Lot #: F2519435  
SKU #: **D102251**  
Version: **0**  
Analysis #: **518907**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Purity(GC)	98-100 (%)	98.72700 %
Enantiometric Excess	98.5-100 (%)	99.53600 %
Purity(Nonaqueous Titration)	97.5-102.5 (%)	97.71000 %
Specific Rotation $[\alpha]_{20/D}(c=5 \text{ in } 1\text{mol/L HCl})$	24-27 (°)	26.95000 °
Melting point	41-45 (°C)	41.01000 °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