

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-24 16:23:06  
Date of Next Testing: 2029-03-23 16:23:06  
Product Name: **(S)-(+)-2,3-Diaminopropionic Acid Hydrochloride**  
CAS Number: 1482-97-9  
Specifications & Purity:  $\geq 97\%$   
Lot #: C2511049  
SKU #: **O105987**  
Version: **0**  
Analysis #: **073372**  
Storage Temperature: Store at 2-8°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in } 1 \text{ M HCl})}$	22-26 ( $^{\circ}$ )	24.16 $^{\circ}$
Purity(Titration by AgNO <sub>3</sub> )	97-100 (%)	98.56%
Appearance (O105987)	White crystal powder	White crystal powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager