

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2025-04-17 09:26:52
Date of Next Testing: 2029-04-16 09:26:52
Product Name: (S)-(-)-Piperazine-2-carboxylic acid dihydrochloride
CAS Number: 158663-69-5
Specifications & Purity: ≥98%
Lot #: I1720068
SKU #: P124229
Version: 0
Analysis #: 495831

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in H ₂ O)	-6--4 (°)	-4.70°
Purity(HPLC)	98-100 (%)	98.41800%
Appearance (P124229)	white powder	White powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager