

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-04-13 10:56:33

Date of Next Testing: 2027-04-12 10:56:33

Product Name: **(R)-2-Piperazinecarboxylic acid dihydrochloride**

CAS Number: 126330-90-3

Specifications & Purity: $\geq 98\%$

Lot #: H1519080

SKU #: **P124230**

Version: **0**

Analysis #: **210373**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.63000 %
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in } H_2O)}$	-6--4 (°)	-4.29200 °
Appearance (P124230)	white powder	White powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager