

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-05-10 09:03:23
Date of Next Testing: 2027-05-09 09:03:23
Product Name: **Piperazine-2-carboxylic acid dihydrochloride**
CAS Number: 3022-15-9
Specifications & Purity: 98%
Lot #: D2324688
SKU #: **P119067**
Analysis: **045245**

Parameter	Limit Values	Result
Purity(HPLC)	98-100 (%)	98.93300 %
Purity(Titration by AgNO ₃)	97.5-102.5 (%)	99.38 %
Appearance (P119067)	white to light yellow solid	white to light yellow solid
Infrared spectrum	Conforms to Structure	Conforms to Structure
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager