

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-08-07 13:16:16

Date of Next Testing: 2027-08-07 13:16:16

Product Name: **1,4-Piperazinedicarboxaldehyde**

CAS Number: 4164-39-0

Specifications & Purity: $\geq 98\%$

Lot #: H2401397

SKU #: **D189137**

Version: **0**

Analysis #: **374737**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Melting point	126-129 (°C)	126.10000 °C
Purity(GC)	98-100 (%)	99.49100 %
Appearance (D189137)	White to Yellow Powder	White to Yellow Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager