

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-01-14 14:46:33

Date of Next Testing: 2027-01-13 14:46:33

Product Name: **2,3-Pyrazinedicarboxylic acid**

CAS Number: 89-01-0

Specifications & Purity: $\geq 97\%$

Lot #: A2306823

SKU #: **P100816**

Version: **0**

Analysis #: **151480**

Storage Temperature: Room temperature

Parameter	Limit Values	Result
Purity(Neutralization titration)	96.5-103.5 (%)	99.50000 %
Purity(HPLC)	97-100 (%)	97.01000 %
Appearance (P100816)	white to light brown powder or crystals	white to light brown powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager