

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2023-06-05 15:53:07
Date of Next Testing: 2027-06-04 15:53:07
Product Name: **2,3-Pyrazinedicarboxylic acid**
CAS Number: 89-01-0
Specifications & Purity: 97%
Lot #: E23301192
SKU #: **P100816**
Analysis: **225558**

| Parameter | Limit Values | Result |
|----------------------------------|---|---|
| Purity(Neutralization titration) | 96.5-103.5 (%) | 101.82 % |
| Purity(HPLC) | 97-100 (%) | 99.95800 % |
| 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