

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-04-20 11:51:08
Date of Next Testing: 2028-04-19 11:51:08
Product Name: **3,5-Pyrazoledicarboxylic Acid**
CAS Number: 3112-31-0
Specifications & Purity: >97.0%
Lot #: D2412231
SKU #: **P138655**
Analysis: **328656**

| Parameter | Limit Values | Result |
|---|---|---|
| Purity(HPLC) | 97-100 (%) | 99.82000 % |
| Water by Karl Fischer | 0-5 (%) | 2.50 % |
| Purity (Titration by NaOH) (anhydrous) | 96.5-103.5 (%) | 97.20 % |
| Appearance (P138655) | white to off-white powder,crystals,flakes or chunk | white to off-white powder,crystals,flakes or chunk |
| Infrared spectrum | Conforms to Structure | Conforms to Structure |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |



John Su
QA & QC Manager