

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-27 16:39:02  
Date of Next Testing: 2027-02-26 16:39:02  
Product Name: **3,5-Pyrazoledicarboxylic Acid**  
CAS Number: 3112-31-0  
Specifications & Purity: >97.0%  
Lot #: B2322004  
SKU #: **P138655**  
Analysis: **192301**

Parameter	Limit Values	Result
Purity(HPLC)	97-100 (%)	98.96000 %
Water by Karl Fischer	0-5 (%)	0.49 %
Purity (Titration by NaOH) (anhydrous)	96.5-103.5 (%)	98.67 %
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