

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

# Certificate of Analysis

Date of Testing: 2025-11-28 18:43:59

Date of Next Testing: 2029-11-27 18:43:59

Product Name: **3,5-Pyrazoledicarboxylic Acid**

CAS Number: 3112-31-0

Specifications & Purity:  $\geq 97\%$

Lot #: K2527498

SKU #: **P138655**

Version: **0**

Analysis #: **614523**

Storage Temperature: Room temperature, Argon charged

| Parameter                                 | Limit Values                                          | Result                                                |
|-------------------------------------------|-------------------------------------------------------|-------------------------------------------------------|
| Purity(HPLC)                              | 97-100 (%)                                            | 98.07100 %                                            |
| Water by Karl Fischer                     | 0-5 (%)                                               | 0.31520 %                                             |
| Purity (Titration by NaOH)<br>(anhydrous) | 96.5-103.5 (%)                                        | 98.03000 %                                            |
| Appearance (P138655)                      | white to off-white powder,crystals,flakes<br>or chunk | white to off-white powder,crystals,flakes<br>or chunk |
| Infrared spectrum                         | Conforms to Structure                                 | Conforms to Structure                                 |
| Proton NMR spectrum                       | Conforms to Structure                                 | Conforms to Structure                                 |



John Su  
QA & QC Manager