

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-07-21 18:48:08  
 Date of Next Testing: 2030-07-20 18:48:08  
 Product Name: **3,5-Pyrazoledicarboxylic Acid**  
 CAS Number: 3112-31-0  
 Specifications & Purity:  $\geq 97\%$   
 Lot #: G2616488  
 SKU #: **P138655**  
 Version: **0**  
 Analysis #: **745669**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                 | Limit Values                                            | Result                                                  |
|-------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| Purity(HPLC)                              | 97-100 (%)                                              | 97.15100 %                                              |
| Water by Karl Fischer                     | 0-5 (%)                                                 | 0.94750 %                                               |
| Purity (Titration by NaOH)<br>(anhydrous) | 96.5-103.5 (%)                                          | 99.34000 %                                              |
| 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