

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-06-04 13:32:45  
Date of Next Testing: 2028-06-03 13:32:45  
Product Name: **3,5-Pyrazoledicarboxylic acid monohydrate**  
CAS Number: 303180-11-2  
Specifications & Purity: 97%  
Lot #: E2420360  
SKU #: **P169409**  
Version: **0**  
Analysis #: **354920**  
Storage Temperature: Room temperature

| Parameter                  | Limit Values  | Result  |
|----------------------------|---|---|
| Purity(HPLC)               | 97-100 (%)  | 98.99500 %  |
| Purity (Titration by NaOH) | 96.5-103.5 (%)  | 98.72 %   |
| Appearance (P169409)       | White to Almost white powder to crystal and/or Chunks | White to Almost white powder to crystal and/or Chunks |
| Proton NMR spectrum        | Conforms to Structure                                 | Conforms to Structure                                 |



John Su  
QA & QC Manager