

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-18 11:21:06  
 Date of Next Testing: 2027-05-17 11:21:06  
 Product Name: **3-Amino-2-pyrazinecarboxylic acid**  
 CAS Number: 5424-01-1  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: E2311119  
 SKU #: **A107498**  
 Version: **0**  
 Analysis #: **225174**  
 Storage Temperature: Room temperature

| Parameter                        | Limit Values                                           | Result                                                 |
|----------------------------------|--------------------------------------------------------|--------------------------------------------------------|
| Purity(HPLC)                     | 98-100 (%)                                             | 99.57420 %                                             |
| Purity(Neutralization titration) | 97.5-102.5 (%)                                         | 99.20000 %                                             |
| Appearance (A107498)             | Light Yellow to Dark Yellow to Brown Powder or Crystal | Light Yellow to Dark Yellow to Brown Powder or Crystal |
| Proton NMR spectrum              | Conforms to Structure                                  | Conforms to Structure                                  |



John Su  
QA & QC Manager