

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-11 17:14:50  
 Date of Next Testing: 2027-02-10 17:14:50  
 Product Name: **3-Aminopyrazole**  
 CAS Number: 1820-80-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: B2304056  
 SKU #: **A105614**  
 Version: **1**  
 Analysis #: **154621**  
 Storage Temperature: Store at 2-8°C, Argon charged

| Parameter                                      | Limit Values                                                          | Result                                                                |
|------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------|
| Purity (Titration by HClO <sub>4</sub> , 0.1M) | 97.5-102.5 (%)                                                        | 99.20000 %                                                            |
| Melting point                                  | 33-39 (°C)                                                            | 34.60000 °C                                                           |
| Purity(GC)                                     | 98-100 (%)                                                            | 99.09700 %                                                            |
| Appearance (A105614)                           | Colorless to yellow to Brown Liquid or White to yellow to Brown Solid | Colorless to yellow to Brown Liquid or White to yellow to Brown Solid |
| Solubility in MeOH                             | almost transparency                                                   | almost transparency                                                   |
| Infrared spectrum                              | Conforms to Structure                                                 | Conforms to Structure                                                 |



John Su  
QA & QC Manager