

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-06-25 10:51:30  
 Date of Next Testing: 2027-06-24 10:51:30  
 Product Name: **3-Aminopropionitrile fumarate salt**  
 CAS Number: 2079-89-2  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: F2310776  
 SKU #: **A100862**  
 Version: **2**  
 Analysis #: **216400**  
 Storage Temperature: Room temperature

| Parameter                                                                                    | Limit Values          | Result                |
|----------------------------------------------------------------------------------------------|-----------------------|-----------------------|
| Carbon by Elemental Analysis                                                                 | 45.9-47.8 (%)         | 46.75000 %            |
| Nitrogen by Elemental Analysis                                                               | 21.4-22.3 (%)         | 21.93100 %            |
| Purity(HPLC)                                                                                 | 98-100 (%)            | 99.70200 %            |
| Melting point                                                                                | 172-176 (°C)          | 175.94000 °C          |
| Appearance (A100862)                                                                         | White powder          | White powder          |
| Solubility in H <sub>2</sub> O , Colorless to Faint Yellow Clear ,50 mg/mL, H <sub>2</sub> O | pass                  | Pass                  |
| Proton NMR spectrum                                                                          | Conforms to structure | Conforms to Structure |
| Infrared spectrum                                                                            | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager