

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-12 10:56:28  
 Date of Next Testing: 2027-05-11 10:56:28  
 Product Name: **6-Mercaptopurine monohydrate**  
 CAS Number: 6112-76-1  
 Specifications & Purity:  $\geq 99.5\%$   
 Lot #: E2306686  
 SKU #: **M111819**  
 Version: **0**  
 Analysis #: **136039**  
 Storage Temperature: Store at 2-8°C

| Parameter                                                                      | Limit Values              | Result                    |
|--------------------------------------------------------------------------------|---------------------------|---------------------------|
| Purity(Neutralization titration)                                               | 99.5-100.5 (%)            | 99.82000 %                |
| Purity(HPLC)                                                                   | 99.5-100 (%)              | 99.52000 %                |
| Water by Karl Fischer                                                          | 9.9-11.5 (%)              | 11.47100 %                |
| Appearance (M111819)                                                           | yellow powder or crystals | yellow powder or crystals |
| Proton NMR spectrum                                                            | Conforms to Structure     | Conforms to Structure     |
| Solubility in 1N NaOH , Yellow , Clear to Very Slightly Hazy , 50mg/ml, 1N NAO | pass                      | Pass                      |



John Su  
QA & QC Manager