

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-14 15:02:56  
 Date of Next Testing: 2026-08-14 15:02:56  
 Product Name: **3-Methylxanthine**  
 CAS Number: 1076-22-8  
 Specifications & Purity:  $\geq 98\%$ (HPLC)  
 Lot #: J2217661  
 SKU #: **M137994**  
 Version: **1**  
 Analysis #: **399256**  
 Storage Temperature: Room temperature

| Parameter                      | Limit Values                    | Result                          |
|--------------------------------|---------------------------------|---------------------------------|
| Nitrogen by Elemental Analysis | 32.8-34.6 (%)                   | 34.40000 %                      |
| Purity(HPLC)                   | 98-100 (%)                      | 99.80000 %                      |
| Carbon by Elemental Analysis   | 42.3-44.5 (%)                   | 43.40000 %                      |
| Appearance (M137994)           | White to Yellow Powder or Solid | White to Yellow Powder or Solid |
| Proton NMR spectrum            | Conforms to Structure           | Conforms to Structure           |



John Su  
QA & QC Manager