

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-08-21 10:45:16  
 Date of Next Testing: 2028-08-20 10:45:16  
 Product Name: **1,3-Dimethyluric acid**  
 CAS Number: 944-73-0  
 Specifications & Purity:  $\geq 98\%$   
 Lot #: K2009301  
 SKU #: **D123032**  
 Version: **0**  
 Analysis #: **401972**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

| Parameter                           | Limit Values                               | Result                                     |
|-------------------------------------|--------------------------------------------|--------------------------------------------|
| Carbon by Elemental Analysis        | 41.5-43 (%)                                | 42.53000 %                                 |
| Nitrogen by Elemental Analysis      | 27.5-29 (%)                                | 28.67000 %                                 |
| Oxygen by Elemental Analysis        | 23.5-24.5 (%)                              | 23.90000 %                                 |
| Purity(HPLC)                        | 98-100 (%)                                 | 98.13000 %                                 |
| Appearance (D123032)                | White to Off-White Powder                  | White to Off-White Powder                  |
| Infrared spectrum                   | Conforms to Structure                      | Conforms to Structure                      |
| Proton NMR spectrum                 | Conforms to Structure                      | Conforms to Structure                      |
| Solubility in 1M NH <sub>4</sub> OH | Colorless to light yellow, Clear, 50 mg/ml | Colorless to light yellow, Clear, 50 mg/ml |



John Su  
 QA & QC Manager