

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-05-12 09:32:23  
 Date of Next Testing: 2026-05-11 09:32:23  
 Product Name: **5-Methyluridine**  
 CAS Number: 1463-10-1  
 Specifications & Purity:  $\geq 99\%$   
 Lot #: E2210091  
 SKU #: **M101429**  
 Version: **1**  
 Analysis #: **074622**  
 Storage Temperature: Room temperature

| Parameter                                                                     | Limit Values                          | Result                                |
|-------------------------------------------------------------------------------|---------------------------------------|---------------------------------------|
| A250/A260                                                                     | 0.6-0.68                              | 0.67000                               |
| Heavy metal (as Pb)                                                           | 0-10 (ppm)                            | 9.83000 ppm                           |
| Loss on drying                                                                | 0-0.5 (%)                             | 0.45000 %                             |
| Ignition Residue (as sulfate)                                                 | 0-0.3 (%)                             | 0.02800 %                             |
| A280/A260                                                                     | 0.67-0.75                             | 0.68500                               |
| Purity(HPLC)                                                                  | 98-100 (%)                            | 99.95900 %                            |
| Specific Rotation $[\alpha]_{20/D(c=2 \text{ in W/V in } 0.2N \text{ NaOH})}$ | -18.4--18.2 (°)                       | -18.20600 °                           |
| Melting point                                                                 | 182-190 (°C)                          | 188.79000 °C                          |
| Appearance (M101429)                                                          | White to Off-White Powder or Crystals | White to Off-White Powder or Crystals |
| Proton NMR spectrum                                                           | Conforms to structure                 | Conforms to Structure                 |



John Su  
QA & QC Manager