

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-03-28 16:48:10  
 Date of Next Testing: 2028-03-27 16:48:10  
 Product Name: **Adenosine 5'-triphosphate magnesium salt**  
 CAS Number: 74804-12-9  
 Specifications & Purity:  $\geq 95\%$   
 Lot #: C2521774  
 SKU #: **A615677**  
 Version: **2**  
 Analysis #: **482554**  
 Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter                                                            | Limit Values                             | Result                                   |
|----------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| Purity(HPLC area)                                                    | 95-100 (%)                               | 97.88000 %                               |
| Heavy metals                                                         | 0-20 (ppm)                               | 0.00000 ppm                              |
| Magnesium Dry basis, by ICP                                          | 2.5-13.5 (%)                             | 4.67660 %                                |
| PH(0.5g/10ml,H <sub>2</sub> O)                                       | 3-5                                      | 3.25000                                  |
| Have the largest absorption<br>(20 $\mu\text{g/ml}$ ,HCl(0.01mol/L)) | 255-259 (nm)                             | 257.00000 nm                             |
| A250/A260(20 $\mu\text{g/ml}$ ,HCl(0.01mol/L))                       | 0.79-0.89                                | 0.84636                                  |
| A280/A260 (20 $\mu\text{g/ml}$ ,HCl(0.01mol/L))                      | 0.17-0.27                                | 0.22516                                  |
| Loss on drying                                                       | 0-20 (%)                                 | 13.12312 %                               |
| Appearance(A615677)                                                  | White to Off White Crystalline<br>Powder | white to off white crystalline<br>powder |
| Proton NMR spectrum                                                  | Conforms to Structure                    | Conforms to Structure                    |



John Su  
QA & QC Manager