

## Certificate of Analysis

Date of Testing: 2024-01-02 10:57:59  
Date of Next Testing: 2027-01-01 10:57:59  
Product Name: **Adenosine 5'-triphosphate magnesium salt**  
CAS Number: 74804-12-9  
Specifications & Purity:  $\geq 95\%$ , bacterial  
Lot #: L2327085  
SKU #: **A463997**  
Version: **2**  
Analysis #: **297782**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

| Parameter   | Limit Values                 | Result                       |
|---|------------------------------|------------------------------|
| Magnesium Dry basis, by ICP   | 2.5-13.5 (%)                 | 9.54140 %                    |
| Loss on drying  | $\leq 20$ (%)                | 12.29 %                      |
| EMM (dry basis) and Magnesium content(Lambda max 259-260 at pH 7.0) | 14.3-16.2                    | 15.46900                     |
| Phosphorus (Dry Basis) and Magnesium Content, by ICP                | 15.6-18.8 (%)                | 18.46750 %                   |
| Solvent Content   | 0-3 (%)                      | 2.80 %                       |
| Purity(HPLC area)   | 95-100 (%)                   | 96.67 %                      |
| Appearance(A463997)   | White to Off-White<br>Powder | White to Off-White<br>Powder |
| NMR Spectrum 1H   | Conforms to structure        | Conforms to Structure        |



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QA & QC Manager