

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2022-07-27 21:22:49  
Date of Next Testing: 2026-07-26 21:22:49  
Product Name: **Adenosine 5'-triphosphate disodium salt hydrate**  
CAS Number: 34369-07-8  
Specifications & Purity: 98%  
Lot #: G2226058  
SKU #: **A111205**  
Version: **0**  
Analysis #: **118357**  
Storage Temperature: Protected from light, Store at -20°C, Argon charged

| Parameter   | Limit Values          | Result                |
|---|-----------------------|-----------------------|
| Water by Karl Fischer                                     | 0-12 (%)              | 3.04%                 |
| Purity(HPLC)  | 98-100 (%)            | 98.67000%             |
| abs-ratio(2a/2b)(E280/E260)                               | 0.13-0.17             | 0.15                  |
| Purity(Neutralization titration)(calcd.on anh.substance)  | 97.5-102.5 (%)        | 98.50%                |
| abs-ratio(a/b)(E250/E260)                                 | 0.78-0.82             | 0.80                  |
| Appearance (A111205)                                      | White powder          | White powder          |
| Infrared spectrum   | Conforms to Structure | Conforms to Structure |
| Solubility in H <sub>2</sub> O , Colorless and clear (5%) | pass                  | Pass                  |



John Su  
QA & QC Manager