

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-02-07 13:23:52  
Date of Next Testing: 2027-02-06 13:23:52  
Product Name: **Adenosine 5'-monophosphate monohydrate**  
CAS Number: 18422-05-4  
Specifications & Purity: from yeast,  $\geq 97\%$   
Lot #: B2302486  
SKU #: **A111884**  
**Analysis:** **159081**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Wave Length	259-260 (nm)	259.62 nm
Purity(HPLC)	97-100 (%)	97.05700 %
EmM	14.8-15.5	15.27
Water by Karl Fischer	3.5-6.2 (%)	4.62 %
Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 2\% \text{ NaOH})$	-49.5--47.5 ( $^{\circ}$ )	-47.65 $^{\circ}$
Appearance (A111884)	white powder	White powder
Solubility, Colorless, Clear 50 mg/mL, 1M NH <sub>4</sub> OH	pass	Pass



John Su  
QA & QC Manager