

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-11-08 10:13:00  
Date of Next Testing: 2027-11-07 10:13:00  
Product Name: **Adenosine 3',5'-cyclic monophosphate**  
CAS Number: 60-92-4  
Specifications & Purity: 99%  
Lot #: K2301151  
SKU #: **C107047**  
Version: **0**  
Analysis #: **287577**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-10 (ppm)	1.26 ppm
Water by Karl Fischer	0-12 (%)	5.75 %
Specific Rotation [α] <sub>20</sub> /D(c=0.7 in H <sub>2</sub> O)	-52--48 (°)	-50.79°
Purity(HPLC)	99-100 (%)	99.68300 %
Appearance (C107047)	White Powder or Crystals	White Powder or Crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , colorless solution , 10 mg/ml in water	pass	Pass



John Su  
QA & QC Manager