

Certificate of Analysis

Date of Testing: 2023-02-28 20:35:00
Date of Next Testing: 2027-02-27 20:35:00
Product Name: **Adenosine 5'-monophosphate monohydrate**
CAS Number: 18422-05-4
Specifications & Purity: from yeast, $\geq 97\%$
Lot #: B2325242
SKU #: **A111884**
Analysis: 159081
Storage Temperature: Store at -20°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 ₄ OH	pass	Pass



John Su
QA & QC Manager