

## Certificate of Analysis

Date of Testing: 2024-11-05 16:41:24  
Date of Next Testing: 2028-11-04 16:41:24  
Product Name: **5'-AMP-Na2**  
CAS Number: 4578-31-8  
Specifications & Purity:  $\geq 99\%$   
Lot #: J2431236  
SKU #: **A100357**  
Version: **0**  
Analysis #: **097972**  
Storage Temperature: Store at -20°C, Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D}(c=1 \text{ in } 0.5\text{M Na}_2\text{HPO}_4 \text{ in dry base})$	-45--41 (°)	-43.62°
Heavy metal (as Pb)	0-0.001 (%)	0.00 %
Water by Karl Fischer	0-26 (%)	3.83 %
Purity(HPLC)	99-100 (%)	99.47500 %
Appearance (A100357)	white crystalline powder	white crystalline powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager