

## Certificate of Analysis

Date of Testing: 2023-03-08 23:05:46  
Date of Next Testing: 2027-03-07 23:05:46  
Product Name: **Adenosine 5'-triphosphate disodium salt (ATP)**  
CAS Number: 987-65-5  
Specifications & Purity:  $\geq 98\%$   
Lot #: C2304285  
SKU #: **A100880**  
**Analysis: 195652**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Water by Karl Fischer	< 1 (%)	0.59 %
abs-ratio(2a/2b)(E280/E260)	0.13-0.17	0.15
Purity(HPLC)	98-100 (%)	99.98000 %
abs-ratio(a/b)(E250/E260)	0.78-0.82	0.80
Appearance (A100880)	white powder	White powder
Solubility,Colorless and clear(5% in H <sub>2</sub> O)	pass	Pass
Proton NMR spectrum	Conforms to structure	Conforms to Structure
Phosphorus NMR Spectra	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager