



Certificate of Analysis

Adenosine-5'-Triphosphate Disodium Salt Trihydrate (ATP)

Catalog Number: AT1006
Lot Number: 0312002
CAS Number: 51963-61-2
Molecular Formula: $C_{10}H_{14}N_5Na_2O_{13}P_3 \cdot 3H_2O$
Molecular Weight: 605.23
Storage: $\leq -20^\circ C$
Date of Manufacture: March 10, 2020
Retest Date: May 1, 2023

Test	Specification	Result
Appearance*	White powder	Conforms
Solubility (50mg/ml, H ₂ O)	Clear and colorless	Conforms
FTIR*	To match reference spectra	Conforms
Purity (HPLC area %)	$\geq 96\%$	99.1%
UV Content (On a Dry Basis)	$\geq 96\%$	99%
UV/Vis (λ max (water, 10mg/ml)) *	258 \pm 2nm	258nm
Water Content (K.F.)	$\leq 10.0\%$	7.5%
Absorbance Ratios* A250/A259	0.75~0.83	0.78
pH (5% H ₂ O) *	~7.0	Conforms

Approved by:

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Date: March 12, 2020