



Specification

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

Catalog Number: AT1006
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: $\leq -20^{\circ}C$
Retest Period: Three years after date of manufacture.

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

Approved by:

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