



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-202443
Lot Number: SAMPLE
Product Name: Adenosine 5'-Diphosphate Potassium Salt
CAS Number: 72696-48-1
Molecular Formula: $C_{10}H_{14}KN_5O_{10}P_2 \cdot 2H_2O$
Molecular Weight: 501.32
Native Source: yeast

Test	Specification	Result
Appearance	White to off-white powder	White powder
Purity (HPLC)	98.0 - 102% (ADP)	101.0% (ADP)
Solubility	Soluble in water (50 mg/ml)	Complies
Impurity	ADP (enzym.): $\geq 84.0\%$ ATP (enzym.): $\leq 0.5\%$	ADP (enzym.): 86.0% ATP (enzym.): 0.1%
Ammonium	$\leq 0.01\%$ (enzyme)	$< 0.002\%$ (enzyme)
Potassium	$\leq 8.5\%$ (flame photom.)	8.3% (flame photom.)
Water Content (KF)	$\leq 8.5\%$	6.4%
AMP (Enzyme)	$\leq 1.0\%$	Complies

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

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