



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-210761
Lot Number: SAMPLE
Product Name: Adenosine 5'-diphosphate sodium salt
CAS Number: 20398-34-9
Molecular Formula: $C_{10}H_{15}N_5O_{10}P_2 \cdot xNa$
Molecular Weight: 427.20 (free acid basis)
Native Source: bacterial

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (1H -NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 95\%$	99%
Solubility	Clear to slightly hazy and colorless to very faint yellow at 50 mg/ml in water	Very slightly hazy and colorless
Alcohol	$\leq 5\%$ (by GC)	1%
Phosphorus	13.4 - 15.5% (dry basis)	14.6%
Sodium	5 - 8 %	7%
Water Content	$\leq 11\%$	8%

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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