



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214496
Lot Number: SAMPLE
Product Name: Adenosine 2'(3')-monophosphate mixed isomers
CAS Number: 130-49-4
Molecular Formula: $C_{10}H_{14}N_5O_7P$
Molecular Weight: 347.22

Test	Specification	Result
Appearance	White to off-white powder	White powder
Purity (HPLC) (1)	Adenosine-3'-monophosphate: $\geq 45\%$ Adenosine-2'-monophosphate: 10 - 55%	86% 13%
Purity (HPLC) (2)	Total Adenosine-3'-monophosphate and Adenosine-2'-monophosphate: $\geq 97\%$	100%
Solubility	Clear colorless at 50 mg/ml in 1 M NH ₄ OH	Complies
Extinction Coefficient	EmM: 15.0 - 15.8 (at λ_{max} 259 - 261 nm, in 0.1 M phosphate buffer, pH 7.0)	15.1
λ_{max}	259 - 261 nm (0.1 M phosphate buffer at pH 7.0)	260 nm
Water Content (KF)	$\leq 10\%$	6%

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.