



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215108
Lot Number: SAMPLE
Product Name: Guanosine 5'-monophosphate Disodium Salt
CAS Number: 5550-12-9
Molecular Formula: $C_{10}H_{14}Na_2N_5O_9P$
Molecular Weight: 407.18
Native Source: yeast

Test	Specification	Result
Appearance	White to off-white powder	White powder
Purity (HPLC)	$\geq 99.0\%$	99.9%
Solution (Color)	Colorless to faintly yellow at 50 mg/ml in water	Colorless at 50 mg/ml in water
Solution (Turbidity)	Clear (< 3.5 NTU) at 50 mg/ml in water	Clear at 50 mg/ml in water
Extinction Coefficient	13600 - 14400 in 0.1M phosphate buffer pH 7.0	13664.7 in 0.1M phosphate buffer pH 7.0
Wavelength	251 - 253 nm (UV) in 0.1M phosphate buffer pH 7.0	253.2 nm in 0.1M phosphate buffer pH 7.0
Loss on Drying	$\leq 26\%$	18.3%

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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