



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-214408
Lot Number: SAMPLE
Product Name: 7-Methylguanosine 5'-diphosphate sodium salt
CAS Number: 104809-16-7
Molecular Formula: $C_{11}H_{17}NaN_5O_{11}P_2$
Molecular Weight: 457.23 (free acid basis)

Test	Specification	Result
Appearance	White to off-white powder	White powder
Appearance (Turbidity)	Clear to very slightly hazy at 50 mg/ml in water	Clear
Purity (HPLC)	$\geq 92.5\%$	97.2%
Solution (Color)	Colorless to very faint yellow at 50 mg/ml in water	Colorless
Extinction Coefficient	6.5 - 8.0	7.2
Wavelength	278 - 282 nm	280 nm
Phosphorus	10.4 - 15.4% (anhydrous)	12.0%
Sodium	2.5 - 14.5 % (anhydrous)	8.5%
Water Content (KF)	$\leq 10\%$	7%

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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