



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-214409
Lot Number: SAMPLE
Product Name: 7-Methylguanosine 5'-triphosphate sodium salt
CAS Number: 104809-18-9
Molecular Formula: $C_{11}H_{18}N_5O_{14}P_3 \cdot xNa^+$
Molecular Weight: 537.21 (free acid basis)

Test	Specification	Result
Appearance	White to off-white powder	White powder
Purity (HPLC)	$\geq 85\%$ (free acid)	89% (free acid)
Solubility	Clear colorless to faint yellow solution at 50 mg/ml of water	Clear colorless solution at 5 mg plus 0.1 ml of water
UV/Visible Spectrum	λ_{max} 258, 276 - 281 nm at pH 7.4	E^{MM} (free acid) = 7.64, 6.91 at λ_{max} 258, 281 nm at pH 7.4
Sodium (ICP)	$\geq 4\%$ (AS IS)	9% (AS IS)
Water Content (KF)	$\leq 10\%$	9.6%

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.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com