



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215383  
Lot Number: SAMPLE  
Product Name:  $\beta$ , $\gamma$ -Methyleneguanosine 5'-triphosphate sodium salt  
CAS Number: 10470-57-2  
Molecular Formula:  $C_{11}H_{18}N_5O_{13}P_3 \cdot xNa$   
Molecular Weight: 521.21 (free acid basis)

Test	Specification	Result
Appearance	White powder	Complies
Purity (HPLC)	$\geq 98\%$	99%
Solubility	Clear colorless solution at 50 mg/ml in water	Complies
Solvent Content (GC)	$\leq 5\%$	$< 0\%$
Extinction Coefficient	10.1 - 12.2 at $\lambda_{max}$ 252 - 254 nm, 0.1 M Phosphate, pH 7.0	11.5
Phosphorus	15.0 - 20.0% (dry basis, corrected for Na)	15.1%
Sodium	8.1 - 16.2% (dry basis)	11.0%
Water Content (KF)	$\leq 10.00\%$	1.26%

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](http://www.scbt.com)