



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-211575  
Lot Number: SAMPLE  
Product Name: Guanosine 5'-triphosphate tris salt  
CAS Number: 103192-46-7  
Molecular Formula:  $C_{10}H_{16}N_5O_{14}P_3 \cdot 3C_4H_{11}NO_3$   
Molecular Weight: 886.59

Test	Specification	Result
Appearance	White powder	Complies
Identification	Consistent with structure	Complies
Purity (HPLC)	$\geq 92.5\%$	95.6%
Solution (Color)	Colorless at 50 mg/ml in H <sub>2</sub> O	Complies
Solution (Turbidity)	Clear to very slightly hazy at 50 mg/ml in H <sub>2</sub> O	Clear at 50 mg/ml in H <sub>2</sub> O
Solvent Content	$\leq 5.0\%$	0.0%
Absorption Excitation	252 - 254 nm	253 nm
Extinction Coefficient	7.69 - 8.47	8.24
Phosphorus	9.6 - 10.6%	10.2%
Tris	2.4 - 3.4 mol/mol	2.9 mol/mol
Water Content	$\leq 4.0$ mol/mol (NMR)	1.9 mol/mol (MNR)

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)