



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-215110
Lot Number: SAMPLE
Product Name: Guanosine 5'-triphosphate lithium salt
CAS Number: 85737-04-8
Molecular Formula: $C_{10}H_{16}N_5O_{14}P_3 \cdot xLi$
Molecular Weight: 523.18 (free acid basis)

Test	Specification	Result
Appearance	White powder	Complies
Identification (1H-NMR)	Consistent with structure	Complies
Purity (HPLC)	$\geq 92.5\%$	93.3%
Solubility	Clear and colorless solution at 100 mg/ml in water	Complies
Absorption Excitation	252 - 254 nm (pH 7.0)	253 nm
Extinction Coefficient	12.1 - 13.8 (free acid)	12.1
Lithium	1.1 - 4.3%	4.1%
Phosphorus	14.0 - 16.1%	15.1%
Water Content	$\leq 13.0\%$ (by NMR)	11.6%

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.

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