



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-214458  
Lot Number: SAMPLE  
Product Name:  $\alpha,\beta$ -Methyleneguanosine 5'-diphosphate sodium salt  
CAS Number: 161308-39-0  
Molecular Formula:  $C_{11}H_{17}N_5O_{10}P_2 \cdot xNa$   
Molecular Weight: 441.23 (free acid basis)

| Test             | Result                               |
|------------------|--------------------------------------|
| Appearance       | White powder                         |
| Purity (HPLC)    | 99.9%                                |
| Solubility       | Clear colorless at 50 mg/ml in water |
| Carbon Content   | 26.0%                                |
| Nitrogen Content | 13.7%                                |
| Phosphorus (ICP) | 12.0%                                |
| Sodium (ICP)     | 8.7%                                 |
| Water Content    | 1.5 mole/mole (by NMR)               |

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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