



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-215526
Lot Number: SAMPLE
Product Name: N⁶-Monobutyladenosine 3':5'-cyclic monophosphate sodium salt
CAS Number: 70253-67-7
Molecular Formula: C₁₄H₁₇N₅O₇P•Na
Molecular Weight: 421.28

| Test | Specification | Result |
|--------------------------------------|---|-----------------------------|
| Appearance | White powder | Complies |
| Identification (¹ H-NMR) | Consistent with structure | Complies |
| Purity (HPLC) | ≥ 97.5% | 98.1% |
| Residual Solvents (GC) | ≤ 5.0% | 0.01% |
| Solubility | Colorless and clear (< 3.5 NTU) solution at 50 mg/ml in water | Colorless and clear |
| Molar Extinction Coefficient | 17.0 - 19.0 (273 - 275 nm) | 17.67 (dry basis, 273.4 nm) |
| Wavelength | 273 - 275 nm | 273.4 nm (buffer pH7.0) |
| Phosphorus (ICP) | 7.0 - 8.0% (dry basis) | 7.6% |
| Sodium | 4.6 - 7.5% (dry basis) | 6.1% |
| Water Content | ≤ 8.0% | 5.56% |

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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