

Certificate of Analysis

Date of Testing: 2023-12-21 15:19:55
Date of Next Testing: 2025-12-20 15:19:55
Product Name: **5'-Adenylic Acid**
CAS Number: 61-19-8
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: B2221096
SKU #: **A136967**
Analysis: **307501**
Storage Temperature: Store at 2-8°C, Argon charged

| Parameter | Limit Values | Result |
|---|-----------------------|-----------------------|
| Purity(Neutralization titration) (after drying) | 98-102 (%) | 100.00 % |
| Purity(HPLC) | 98-100 (%) | 99.02100 % |
| Specific Rotation $[\alpha]_{20/D}(c=2 \text{ in } 1\text{mol/L NaOH})(\text{calcd. on drier})$ | -50--45 (°) | -47.62° |
| Loss on drying | 0-6 (%) | 3.75 % |
| Appearance (A136967) | White powder | White powder |
| Proton NMR spectrum | Conforms to Structure | Conforms to Structure |
| Solubility in NaOH solution | almost transparency | almost transparency |



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QA & QC Manager