



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-213795  
Lot Number: SAMPLE  
Product Name: 2-Deoxyribose 5-phosphate sodium salt  
CAS Number: 102916-66-5  
Molecular Formula:  $C_5H_{11}O_7P \cdot xNa$   
Molecular Weight: 214.11 (free acid basis)

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (1H-NMR)	Conforms to structure	Complies
Identification (13C-NMR)	Conforms to structure	Complies
Identification (31P-NMR)	Conforms to structure	Complies
Purity	≥95% (based on phosphorus ICP-Atomic emission)	96%
Solubility		100 mg/ml, H <sub>2</sub> O
Solvent Content	≤6.5%	3.4%
Phosphorus	12.1 - 13.9% (dry basis)	12.8%
Sodium	14 - 19% (dry basis)	18.1%
Water Content	≤17.5%	3.7%

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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