



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-216432  
Lot Number: SAMPLE  
Product Name: 3-Deoxy-D-arabinoheptulosonic Acid 7-Phosphate Disodium Salt  
CAS Number:  
Molecular Formula:  $C_7H_{11}Na_2O_{10}P$   
Molecular Weight: 332.11  
Native Source: Synthetic

Test	Specification	Result
Appearance	Light yellow to yellow solid	Complies
Identification (NMR)	Consistent with structure	Complies
Identification (31P-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity		95%
Purity (HPLC)		93.41% (ELSD)
Specific Rotation		+10.4° (c = 0.5, Water)
Carbon Content	25.32%	21.52%
Hydrogen Content	3.34%	3.51%
Sodium Content		15.78% by Ion Chromatography
Water Content (KF)		3.0%

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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