



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-497244  
Lot Number: SAMPLE  
Product Name: Diquafosol Sodium Salt  
CAS Number: 59985-21-6 (free acid)  
Molecular Formula:  $C_{18}H_{26}N_4O_{23}P_4 \cdot (xNa)$   
Molecular Weight: 790.31 (free acid)  
Native Source: Synthetic

Test	Specification	Result
Appearance	White to pale beige solid	Off-white solid
Identification (NMR)	Consistent with structure	Complies
Identification (31P-NMR)	Consistent with structure	Complies
Identification (Mass Spectrometry)	Consistent with structure	Complies
Purity (TLC)		90%
Specific Rotation		-7.2° (c = 0.5, Water)
Carbon Content	27.36% (free base)	19.20%
Hydrogen Content	3.32% (free base)	4.07%
Nitrogen Content	7.09% (free base)	4.50%
Water Content (KF)		13.0%

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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