



The Power to Question

# CERTIFICATE OF ANALYSIS

Catalog Number: sc-495951  
Lot Number: SAMPLE  
Product Name: Dimethyl Phosphate-13C2 Sodium Salt  
CAS Number: 157487-95-1  
Molecular Formula:  $(^{13}\text{C})_2\text{H}_5\text{NaO}_4\text{P}$   
Molecular Weight: 150.02  
Native Source: Synthetic

Test	Specification	Result
Appearance		Off-white solid
Identification ( $^1\text{H}$ -NMR)		Consistent with structure
Identification ( $^{13}\text{C}$ -NMR)		Consistent with structure
Identification ( $^{31}\text{P}$ -NMR)		Consistent with structure
Identification (Mass Spectrometry)		Consistent with structure
Isotopic Purity		98.8%
Purity		97%
Atmosphere		Inert gas
Melting Point		> 254 °C (dec.)
Solubility		Water (slightly)
Carbon Content	16.00%	17.55%
Hydrogen Content	4.03%	4.02%

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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