



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-203028
Lot Number: SAMPLE
Product Name: DL-AP7
CAS Number: 78966-69-5
Molecular Formula: $C_7H_{16}NO_5P$
Molecular Weight: 225.2

Test	Specification	Result
Appearance	White to off-white powder	White powder
Identification (NMR)	Consistent with standard reference	Complies
Purity (HPLC)	$\geq 97\%$	Complies
Melting Point	220 - 228 °C	222 - 226 °C
Solubility	A 100 millimolar may be made by dissolving in 1 equivalent of 100 millimolar sodium hydroxide solution. The resulting solution should be at approximately neutral pH; minor pH adjustments may be made by the addition of minute aliquote of concentrated HCl or concentrated NaOH solution.	Complies
Carbon Content	37.34%	37.57%
Hydrogen Content	7.16%	6.95%
Nitrogen Content	6.22%	6.29%
Phosphorus	13.76%	13.72%

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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