



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-295240
Lot Number: SAMPLE
Product Name: L-2-Amino-3-hydroxybutanoic acid 3-phosphate
CAS Number: 1114-81-4
Molecular Formula: $C_4H_9NO_6P$
Molecular Weight: 199.1

Test	Specification	Result
Appearance	White powder	Complies
Identification (1H-NMR)	Consistent with structure	Complies
Purity (TLC)	$\geq 98.00\%$	100.0%
Solubility	Clear and colorless solution at 98.00 - 102.00 mg/ml in 1 N NH ₄ OH with heating	Clear and colorless solution at 100.00 mg/ml in 1N NH ₄ OH with heating
Specific Rotation	-20.60 - -18.60° (c = 9.00 - 11.00 mg/ml, 1N NH ₄ OH)	-18.70° (c = 10.00 mg/ml in 1N NH ₄ OH)
Carbon Content	23.63 - 24.63%	24.12% (ICP)
Nitrogen Content	6.64 - 7.44%	6.87% (ICP)
Phosphorus (ICP)	14.5 - 16.5%	15.7%
Water Content (KF)	$\geq 0.00\%$	0.86%

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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