



CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-478804
Lot Number: SAMPLE
Product Name: L-O-Phosphoserine-13C315N
CAS Number: 407-41-0 unlabeled
Molecular Formula: $(^{13}\text{C})_3\text{H}_8(^{15}\text{N})\text{O}_3\text{P}$
Molecular Weight: 189.04

Test	Specification	Result
Appearance	White to pale yellow solid	White solid
Identification	Conforms to structure (P-NMR)	Complies
Identification (NMR)	Conforms to structure	Complies
Identification (13C-NMR)	Conforms to structure	Complies
Identification (Mass Spectrometry)	Conforms to structure	Complies
Isotopic Purity	> 95%	99.0% (d0 = 0.00%)
Purity (HPLC/ELSD)		99.19%
Elemental Analysis		%C: 18.03, %H: 4.25, %N: 7.03
Specific Rotation		+5.2° (c = 0.2, 0.1 N HCl)

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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