

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0475	
Compound name	O-Phospho-L-serine	
Chemical name	L-Serine-O-phosphate	
Batch number	E1885-1-1	
Batch molecular formula	C ₃ H ₈ NO ₆ P	
Batch molecular weight	185.07	

Method	QC requirement	QC Result
HPLC	Crownpac HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in D ₂ O at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray negative analysis shows molecular ion	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

22-02-22

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.