



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-391333
Lot Number: SAMPLE
Product Name: Systemin
CAS Number: 137181-56-7
Molecular Formula: $C_{85}H_{144}N_{26}O_{28}S$
Molecular Weight: 2010.32

Test	Specification	Result
Appearance		White lyophilized powder
Identification (Mass Spectrometry)		Exhibits correct MW
Purity (RP-HPLC)		Peptide purity: 96.7 %
Solubility		1 mg/mL in water
Peptide Content		87.0%
Amino Acid Analysis	Ala: 1.00 Arg: 1.00 Asx: 2.00 Glx: 2.00 Lys: 3.00 Met: 1.00 Pro: 4.00 Ser: 2.00 Thr: 1.00 Val: 1.00	Ala: 1.00 Arg: 1.00 Asx: 2.00 Glx: 1.93 Lys: 2.97 Met: 0.83 Pro: 4.00 Ser: 1.72 Thr: 1.00 Val: 0.98
Counter Ion		Acetate

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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