



# CERTIFICATE OF ANALYSIS

The Power to Question

Catalog Number: sc-396782  
Lot Number: SAMPLE  
Product Name: Cecropin A  
CAS Number: 80451-04-3  
Molecular Formula:  $C_{184}H_{313}N_{53}O_{46}$   
Molecular Weight: 4003.78

Test	Specification	Result
Appearance	White lyophilized	Complies
Purity (HPLC)	97 - 100% Column: Discovery Bio Wide Pore C18, 5 $\mu$ M (Supel), Vydac RP C18 Injected sample: 0.5 - 1 mg/ml Sample solvent: Distilled water Mobile phase- solution A: 0.1% TFA in H <sub>2</sub> O Mobile phase solution B: 3:1 Acetonitrile : 0.1%TFA in H <sub>2</sub> O Percent solution A at time 0 : 70% Percent solution B at time 0: 30%	98.6% Column: Discovery Bio Wide Pore C18, 5 $\mu$ M (Supel) Injected sample: 1.0 mg/ml Sample solvent: Distilled water Mobile phase- solution A: 0.1% TFA in H <sub>2</sub> O Mobile phase solution B: 3:1 Acetonitrile : 0.1%TFA in H <sub>2</sub> O Percent solution A at time 0 : 70% Percent solution B at time 0: 30%
Molecular Weight	4000.8 - 4006.8 (by MS)	4003.5
Solubility	Clear colorless solution at 1 mg/ml in 1% acetic acid distilled water	Complies
Peptide Content	70 - 100%	71.0%
Amino Acid Analysis	Asx (Asn or/and Asp): 1.8 - 2.2 Threonine: 0.8 - 1.2 Glx (Gln or/and Glu): 3.6 - 4.4 Proline: 0.9 - 1.1 Glycine: 3.6 - 4.4 Alanine: 4.5 - 5.5 Valine (*): 3.6 - 4.4 Isoleucine (**): 4.5 - 5.5 Leucine: 0.9 - 1.1 Phenylalanine: 0.9 - 1.1 Lysine: 6.3 - 7.7 Arginine: 0.9 - 1.1 Tryptophane	Asx (Asn or/and Asp): 2.09 Threonine: 0.97 Glx (Gln or/and Glu): 4.14 Proline: 0.97 Glycine: 4.12 Alanine: 5.07 Valine (*): 3.64 Isoleucine (**): 3.97 Leucine: 1.01 Phenylalanine: 1.02 Lysine: 6.87 Arginine: 1.00 Tryptophane: nondetected

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.