



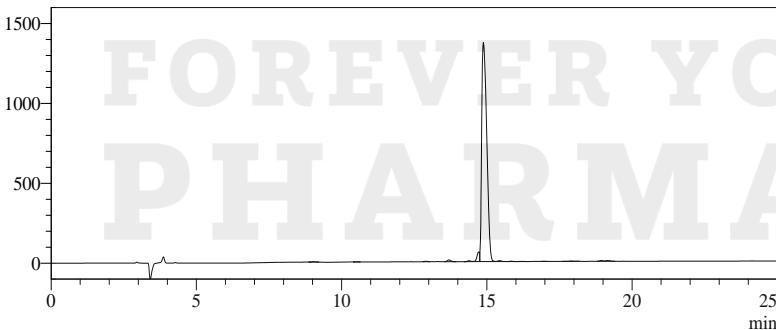
## CERTIFICATE OF ANALYSIS

### SAMPLE INFORMATION

Product Name	Ipamorelin 5 mg
Client Name/Lot No.	GG Peptides
Sequence	Aib-His-D-2-Nal-D-Phe-Lys-NH2
Dissolution condition	100% H2O
Length	5AA
Molecular Weight	711.85 g/mol

### CHROMATOGRAM

mV



Peak #	Ret. Time	Area %
1	13.653	0.228
2	14.897	99.704
3	18.982	0.068

### TEST RESULTS

	Specifications	Results
Strength	5.00 mg	5.27 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.7%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.2%
	Total Impurity ≤2.0%	0.3%

### TEST PARAMETERS

Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H2O
Injection Volume	20uL

### CONCLUSION

One 3ml vial contained a white lyophilized powder and has a blue cap with a silver crimp.

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.7% Ipamorelin (5.27 mg), and the rest are impurities of minor significance.

### CERTIFIED BY:

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