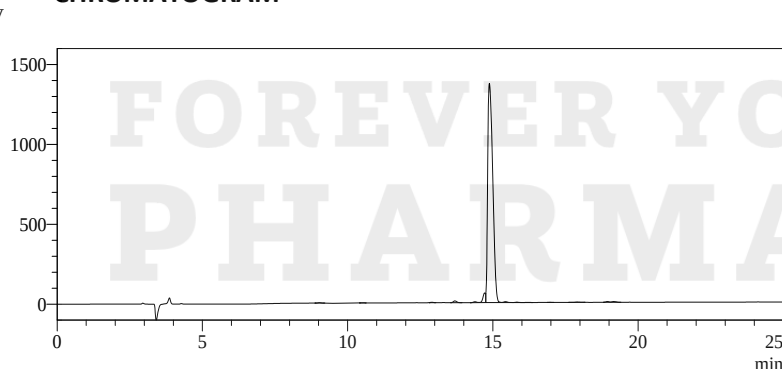


CERTIFICATE OF ANALYSIS

SAMPLE INFORMATION

Product Name	Ipamorelin 10mg
Client Name/Lot No.	Advanced Research LLC / Lot# IP/102-09
Sequence	Aib-His-D-2-Nal-D-Phe-Lys-NH ₂
Dissolution condition	100% H ₂ O
Length	5AA
Molecular Weight	711.85 g/mol

CHROMATOGRAM



Peak #	Ret. Time	Area %
1	14.898	99.766

TEST RESULTS

	Specifications	Results
Strength	10.00 mg	10.58 mg
Appearance	White to off white lyophilized powder	Conforms
Purity	≥98.0%	99.8%
pH value	6.0-8.0	7.0
Impurity	Single Impurity ≤1.0%	0.1%
	Total Impurity ≤2.0%	0.2%

TEST PARAMETERS

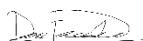
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	1.0ml/min
Wavelength	220nm
Analytical Column Type	Agilent ZORBAX StableBond 5µm C18 (4.6*250mm*5 µm)
Dissolution Method	100% H ₂ O
Injection Volume	20uL

CONCLUSION

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

The sample was analysed using Reverse Phase High Performance Liquid Chromatography (RP-HPLC) and determined to contain 99.8% Ipamorelin (10.58 mg), and the rest are impurities of minor significance.

CERTIFIED BY:



Dane Fredericksen
Analytical Chemist
08/25/2025

