

CERTIFICATE OF ANALYSIS

Product Information

Product Name: Pinealon

Lot No.: 3140070

Sequence: Glu-Asp-Arg

Modifications: N/A

Storage Conditions: -20°C.

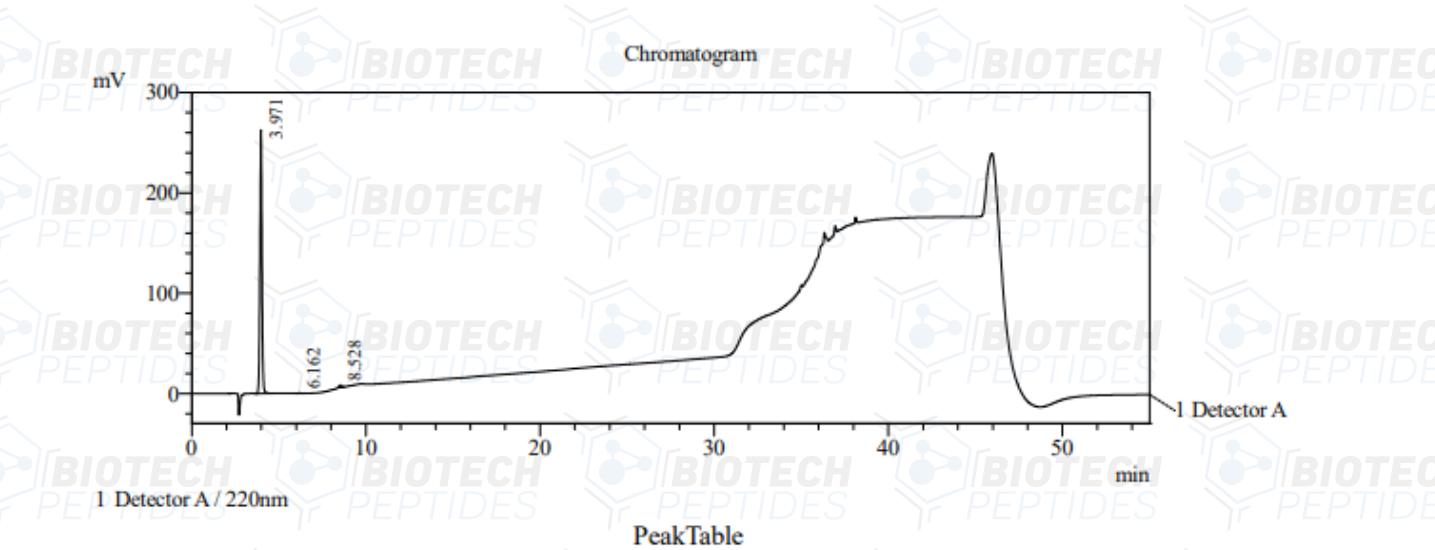
Quality Control

Test Items	Specifications	Results
Appearance	White to off-white lyophilized powder	White to off-white lyophilized powder (Conforms)
Molecular Weight (MS)	418.41±1.0 Da	417.65 Da
Purity by HPLC	>98%	99.2%
Assay	80.0%~ 120.0%	95.0%
Solubility	20 mg/1ml H ₂ O	Clearly soluble
TFA Content	≤0.500%	Conforms
Acetic acid content	≤20.0%	0.1%

Report Date: 21 Mar 2026

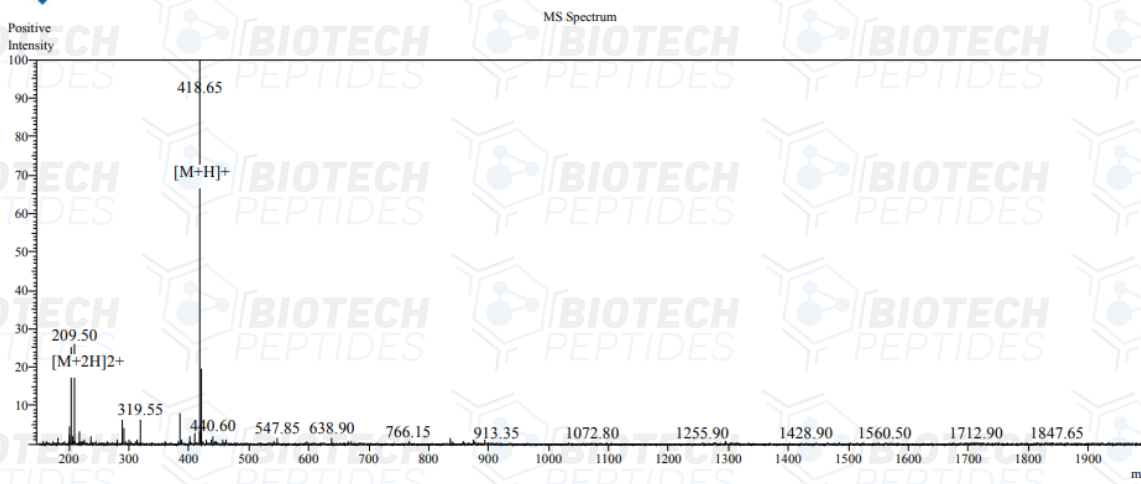
Sample Information	
Lot. No	3140070
Pump A	0.1% trifluoroacetic in 100% water
Pump B	0.1% trifluoroacetic in 100% acetonitrile
Total Flow	0.8ml/min
Wavelength	220nm
Analytical column type	Phenomenex Luna 3um C18 (2) (4.6*150mm*3um)
Dissolution method	100%H ₂ O
Acquisition Time	2026/3/21 11:11:43
Inj. Volume	10ul

Time	Module	Action	Value
0.01	Pumps	B.Conc	0
25.00	Pumps	B.Conc	25
30.00	Pumps	B.Conc	90
40.00	Pumps	B.Conc	90
41.00	Pumps	B.Conc	0
55.00	Controller	Stop	



Detector A 220nm

Peak#	Ret. Time	Area	Height	Area %
1	3.971	2103062	262631	99.167
2	6.162	3972	422	0.187
3	8.528	13701	2026	0.646
Total		2120735	265080	100.000



Sample Information
Dissolution method
Date Acquired
Injection Volume

:3%
:2026/3/21 14:10:11
:1ul

Interface
Nebulizing Gas Flow
CDL Temp
CDL Volt
Block Temp

:ESI
:1.50L/min
:250C
:0v
:200

Prerod Bias
Detector
T.Flow
B.conc

:+4.5kv
:-0.2kv
:0.2ml/min
:30%H2O/70%MeOH

Lot No.	3140070
Theoretical	418.41
Observed	417.65