

Creative Peptides Inc.

Lixisenatide

Product Name	Lixisenatide		
CAT#	10-101-133	Batch No.	Pep00501-170109
M.F/Formula	$C_{215}H_{347}N_{61}O_{65}S_1$	Molecular Weight	4858.60
Batch size	500.0 mg	MFG. Date	01/09/2017
Retest Date	01/08/2019		
Sequence	H-His-Gly-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Leu-Ser-Lys-Gln-Met-Glu-Glu-Glu-Ala-Val-Arg-Leu-Phe-Ile-Glu-Trp-Leu-Lys-Asn-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Ser-Lys-Lys-Lys-Lys-Lys-NH ₂		
TESTING ITEM	SPECIFICATION	RESULT	
Appearance	White to off white powder	Conforms	
MS	4858.60±1	1620.55 by MS [M+3H] ³⁺ 1215.65 by MS [M+4H] ⁴⁺ 972.70 by MS [M+5H] ⁵⁺ 810.80 by MS [M+6H] ⁶⁺ 695.10 by MS [M+7H] ⁷⁺ 608.35 by MS [M+8H] ⁸⁺	
Purity (HPLC)	≥98.0%	98.76% (HPLC, 220 nm, C18, linear gradient)	
Store at	Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstitute in PBS or water. Reconstituted protein/peptide can be stored at 4°C for a limited period of time. The lyophilized peptide remains stable for up to 2 year when stored at -20°C.		
Conclusion	Correspond		

Remark This product is supplied as Acetate salt

QA:

Sharon Lee

QC:

Paulo Park

Date:

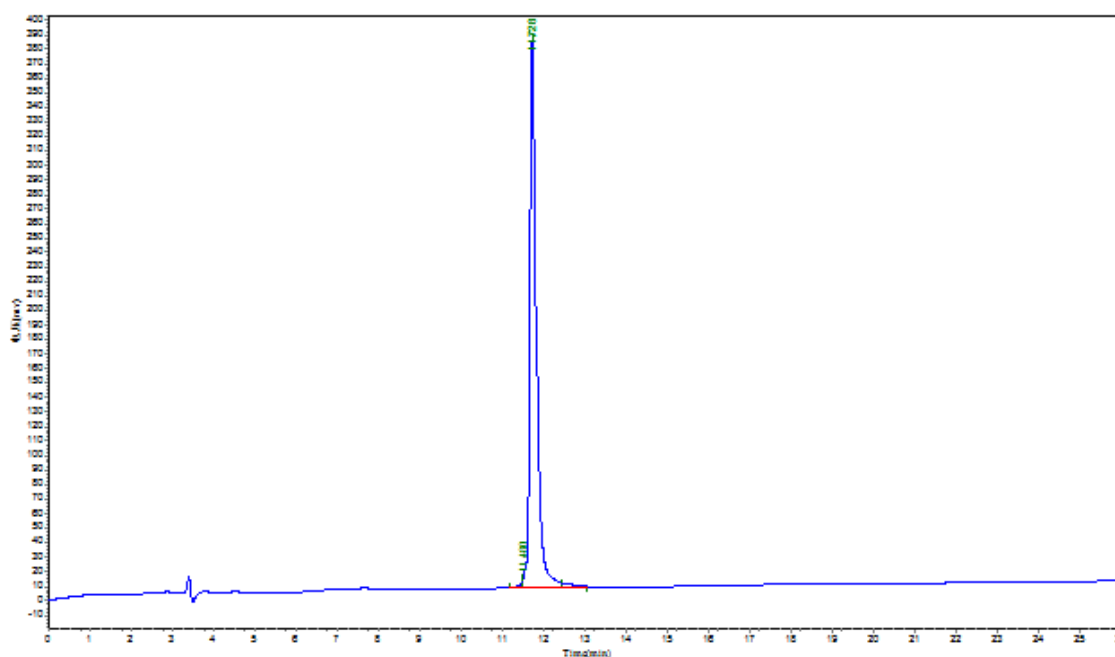
Jan. 09, 2017

HPLC REPORT

Sample: Lixisenatide
 Lot. No. Pep00501-170109
 Column: 250*4.6mm,Kromasil-C18-5um
 Solvent A 0.1%TFA in 100%water
 Solvent B 0.1%TFA in 100%acetonitrile

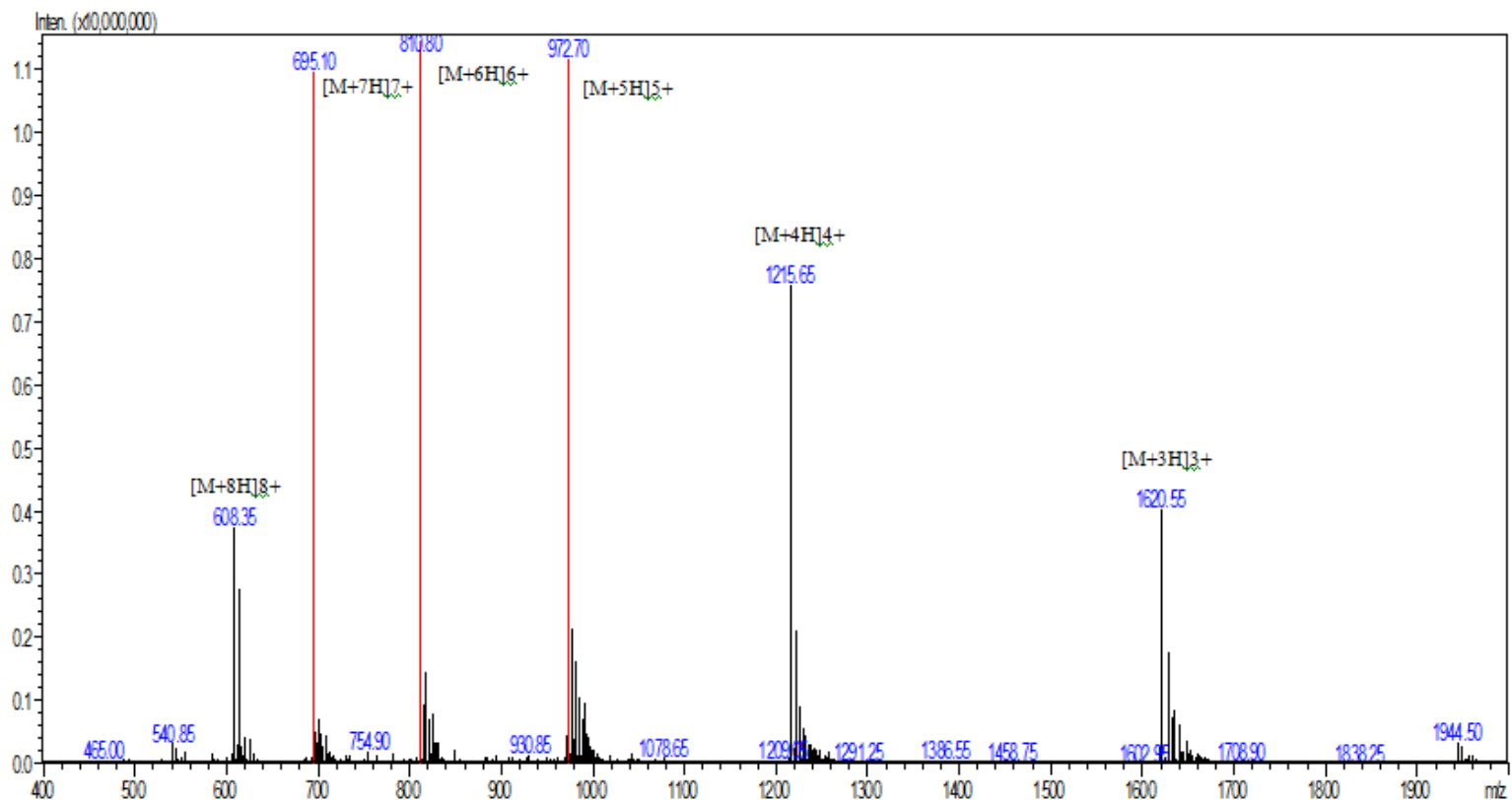
Gradient:	A	B
0.1min	70%	30%
25.0min	45%	55%
25.1min	0%	100%
30.0min	Stop	

Volume: 10µl Wavelength: 220 nm Flow rate: 1.0 ml/min



Peak No.	Ret Time	Height	Area	Conc.
1	11.480	3726.308	16397.148	0.3917
2	11.728	375803.969	4134441.000	98.7643
3	11.728	2539.259	35332.578	0.8440
Total				100.00

MASS SPECTROMETRY REPORT



Sample Description

Analyzed date:	2017/1/9	Probe:	ESI	Probe Bias:	+4.5kv
Analyst:	Zhu	Nebulizer Gas Flow:	1.5L/min	Detector:	1.2kv
Sample:	Lixisenatide	CDL:	-20.0v	T. Flow:	0.2ml/min
M.W.:	4858.60	CDL Temp.:	250 °C	B. Conc.:	50%H ₂ O/50%ACN
Lot. No.:	Pep00501-170109	Block Temp.:	400 °C		