

Certificate of Analysis

Identification Parameters	
Product Name:	Retatrutide
Vendor:	Peptides Plus
Lot Number:	11122
CAS Number:	2381089-83-2
PubChem CID:	171934787
UNII:	NOP2Y096GV
Chemical Formula:	C ₂₂₁ H ₃₄₂ N ₄₆ O ₆₈
Amino Acid Sequence:	Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{α-Me-Leu}-Leu-Asp-Lys-{diacid-C20-γ-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂
Molar Mass:	4731.33 g · mol ⁻¹

Physical and Chemical Purity			
Parameter	Specification	Result	Method
Appearance	White to off-white powder	Conforms	Visual
Chemical Purity	>99%	99.2168%	HPLC
Arsenic	<1 µg/g	<0.001 µg/g	USP<232>
Cadmium	<1 µg/g	<0.001 µg/g	USP<232>
Lead	<1 µg/g	<0.001 µg/g	USP<232>
Mercury	<1 µg/g	<0.001 µg/g	USP<232>

Limits are derived from USP<233>.

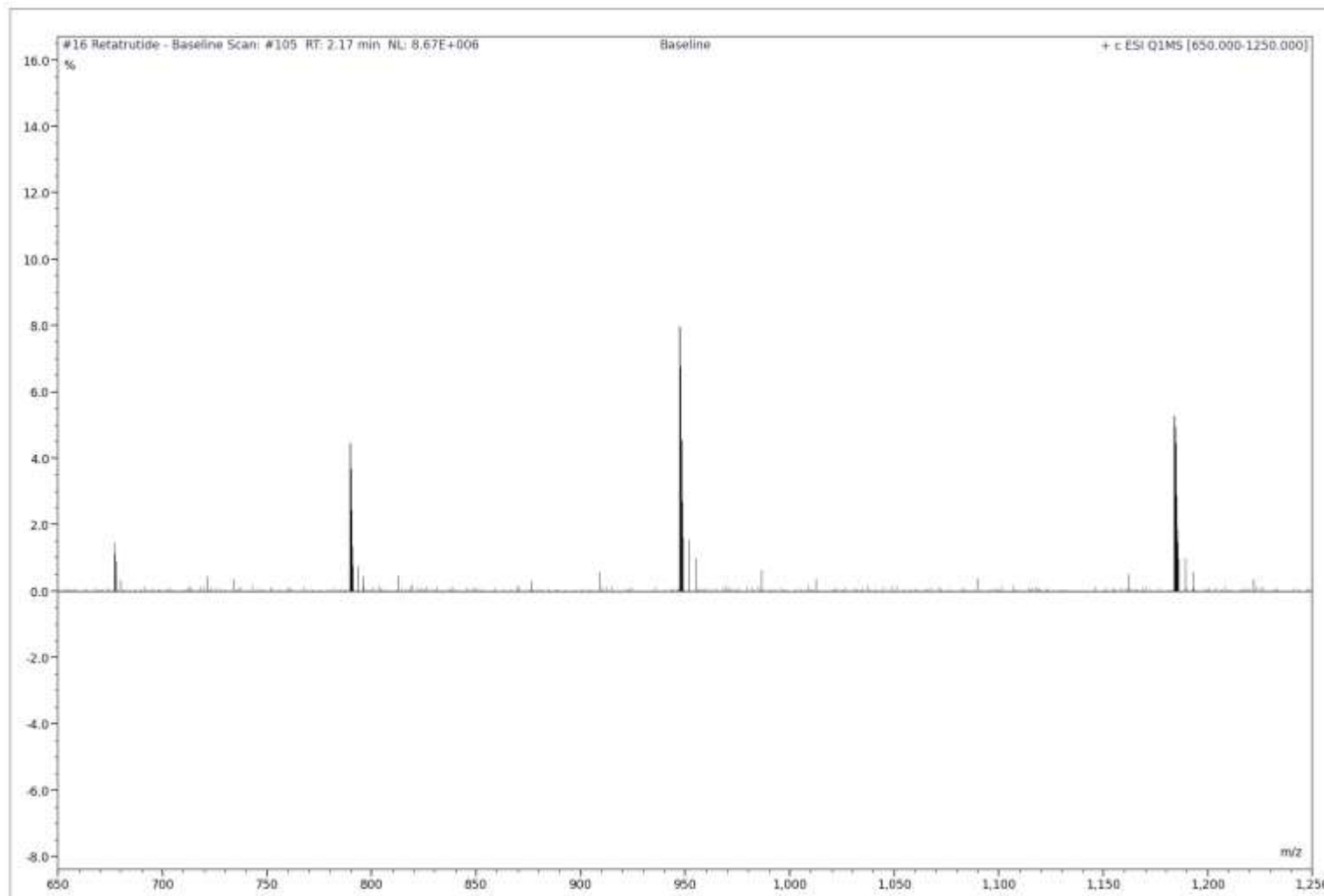
Microbiological Purity			
Parameter	Specification	Result	Method
Total Aerobic Plate Count	<100 CFU/g	<10 CFU/g	USP<61>
Yeast & Mould	<10 CFU/g	<10 CFU/g	USP<61>
<i>E. coli</i>	Absent	Absent	USP<62>
<i>Salmonella spp.</i>	Absent	Absent	USP<62>
<i>Pseudomonas aeruginosa</i>	Absent	Absent	USP<62>
<i>Staphylococcus aureus</i>	Absent	Absent	USP<62>

Limits are derived from USP<1111>, Table 1

Notes:

RL – Reporting Limit, <RL Indicates no detection above RL.

Results highlighted in red are outside of acceptance parameter.



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