

# Certificate Of Analysis

NO:024-RT1-TSX

Peptide Name	Retatrutide	Molecular Formula	C <sub>221</sub> H <sub>342</sub> N <sub>46</sub> O <sub>68</sub>
Molecular Weight	4731.33	CAS No.	2381089-83-2
Appearance	white powder	Reference Standard	Reference Ch.p
Sequence	<i>Tyr-(Aib)-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-Leu-Met-Leu-Leu-Asp-Lys-(diacid-C20-gamma-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<sub>2</sub></i>		
Manufacturing	2026/02/18	Report Date	2026/02/20
Re-test Date	2028/02/19	Lot Number	P20260218
Packing size	1Kg/bag	Storage conditions	-15°C to -25°C

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in water	Conforms
Purity (HPLC)	≥99.0%	99.41%
Water Content (Karl Fischer)	≤8.0%	3.2%
<b>Related Substance (By HPLC)</b>		
Total Impurities (%)	≤1.5%	0.59%
Largest Single Impurity (%)	≤0.5%	0.28%
Sodium ion	≤2%	1.5%
Residual TFA	≤0.5%	N.D.
Residual Acetonitrile	≤410ppm	98ppm
<b>Microbiological Examination</b>		
TAMC	≤100 cfu/g	TAMC <10 cfu/g
TYMC	≤100 cfu/g	TYMC <10 cfu/g
Bacterial endotoxin	<10EU/mg	Conforms

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**Limit To Research And Submission Use  
Not For Direct Human Application**