

Certificate Of Analysis

NO:024-S82-TSX

Peptide Name	Semaglutide		
Molecular Formula	$C_{187}H_{291}N_{45}O_{59}$	Manufacturing	2026/09/21
Molecular Weight	4113.58	Report Date	2026/09/21
CAS No.	910463-68-2	Re-test Date	2028/09/20
Appearance	white powder	Packing size	1Kg/bag
Renference Standard	Renference Ch.p	Storage conditions	-15°C to -25°C
Sequence	His-{Aib}-Glu-Gly-Thr-Phe-Thr-Ser-Asp-Val-Ser-Ser-Tyr-Leu-Glu-Gly-Gln-Ala-Ala-{C18 diacid- γ -Glu-(AEEA)2-Lys}-Glu-Phe-Ile-Ala-Trp -Leu-Val-Arg-Gly-Arg-Gly		

Tests	Specifications	Results
Appearance	White powder	Conforms
Solubility	Soluble in water	Conforms
Purity(HPLC)	$\geq 98.0\%$	99.10%
Water Content (Karl Fischer)	$\leq 8.0\%$	5.4%
Related Substance (ByHPLC)	Total Impurities($\%$) $\leq 2.0\%$	0.90%
	Largest Single Impurity ($\%$) $\leq 1.0\%$	0.22%
Sodium ion	0.6-3.8%	2.2%
Ammonium ion	$\leq 0.5\%$	N.D.
Peptide content	$\geq 85.0\%$	91.6%

For research use only. Direct human application is prohibited.

Limit To Research And Submission Use
Not For Direct Human Application

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