

Tesamorelin

Released 22 Jul 2026

Product name	Tesamorelin	Batch number	260502
Lot / sample ID	Tesamorelin-260502	CAS number	218949-48-5
Molecular formula	C ₂₂₁ H ₃₆₆ N ₇₂ O ₆₇ S	Molecular weight	5135.86 g/mol
Appearance	Colourless to light-yellow solution	Concentration	3.33 mg/mL
Presentation	3 mL cartridge (10 mg)	Storage	2-8 C, dark, sealed; do not freeze
Certificate scope	Filled cartridge; analytical data from the API batch used to fill it	Manufacture date	16 Jul 2026
Retest date	15 Jul 2028	Date of analysis	20 Jul 2026
Report date	21 Jul 2026		

Peptide identity

Sequence	Trans-3-hexenoyl-Tyr-Ala-Asp-Ala-Ile-Phe-Thr-Asn-Ser-Tyr-Arg-Lys-Val-Leu-Gly-Gln-Leu-Ser-Ala-Arg-Lys-Leu-Leu-Gln-Asp-Ile-Met-Ser-Arg-Gln-Gln-Gly-Glu-Ser-Asn-Gln-Glu-Arg-Gly-Ala-Arg-Ala-Arg-Leu-NH2		
Counter-ion	Acetate	Quality standard	Enterprise Standards

HPLC method (API batch)

Detection	220.0 nm (W2996 PDA)	Gradient	32-52% B in 20 min
Injection volume	15.00 uL	Run time	20.0 min
Date acquired	20 Jul 2026	Processing method	LC PQ ApexTrack

Analytical results

Test parameter	Method	Specification	Result	Status
Appearance	Visual	Colourless to light-yellow solution	Conforms	Conforms
Solubility (API)	Visual	>= 25 mg/mL in water	Conforms	Conforms
HPLC identification (API)	RP-HPLC	Consistent with the reference substance	Conforms	Conforms
Molecular ion mass (API)	LC-MS	5135.86 +/- 1.0	Conforms	Conforms
Water content (API)	Karl Fischer	<= 10.0%	5.6%	Pass
Purity (API)	RP-HPLC	>= 99.0%	99.82%	Pass

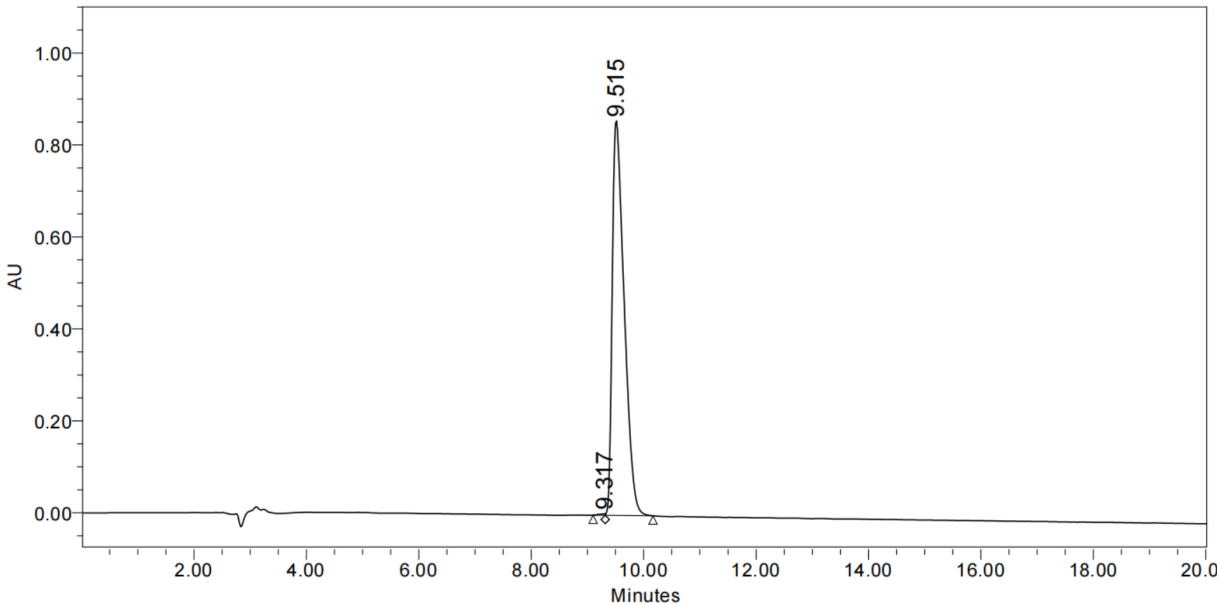
Tesamorelin

continued

Analytical results (continued)

Test parameter	Method	Specification	Result	Status
Peptide content (API)	Calculated (anhydrous)	$\geq 80.0\%$	87.2%	Pass
Total impurities (API)	RP-HPLC	$\leq 1.0\%$	0.18%	Pass
Maximum single impurity (API)	RP-HPLC	$\leq 0.5\%$	0.18%	Pass
Acetate content (API)	HPLC	$\leq 10.0\%$	6.6%	Pass
Bacterial endotoxins (API)	LAL	< 5 EU/mg	Conforms	Conforms

HPLC chromatogram



	RT	Area	% Height	Width (sec)	% Area
1	9.317	22990	0.39	13.000	0.18
2	9.515	12631975	99.61	51.000	99.82

RP-HPLC - main peak RT 9.515 min (99.82%) - reproduced from source lab report

Overall result — Conforms to specification

QC PASS

Results relate only to the batch tested, by the stated methods at time of release. Storage figures are recommendations, not stability data. For research use only - not for human consumption.