



Vita Science Peptides Inc.

8888 Odlin Cres, Unit 210, Richmond, BC, V6X 3Z8 · orders@canada-peptides.net · 604-555-0188
<https://canada-peptides.net>

Certificate of Analysis

CERTIFICAT D'ANALYSE

Document 5102F1307A · Lot SE-2609-06 · Issued / Émis September 6, 2026

Sermorelin 5 mg Lyophilized Powder Vial, ≥99% HPLC

Lyophilized powder in a sealed 3 mL glass vial · 5 mg per vial



Verify this lot / Vérifier ce lot
canada-peptides.net/lots/#se-2609-06

Catalogue no. / N° de catalogue	PEP-SERM-5	Lot / Lot	SE-2609-06
Date of analysis / Date d'analyse	September 6, 2026	Retest date / Date de réanalyse	September 6, 2028
CAS	86168-78-7	Molecular formula / Formule	C149H246N44O42S
Molecular weight / Masse moléculaire	3357.9 g/mol	Quantity / Quantité	5 mg per vial
Form / Forme	Lyophilized powder in a sealed 3 mL glass vial	Storage / Conservation	Lyophilized powder: store sealed at -20 °C, protected from light and moisture. Ships at ambient temperature with desiccant.

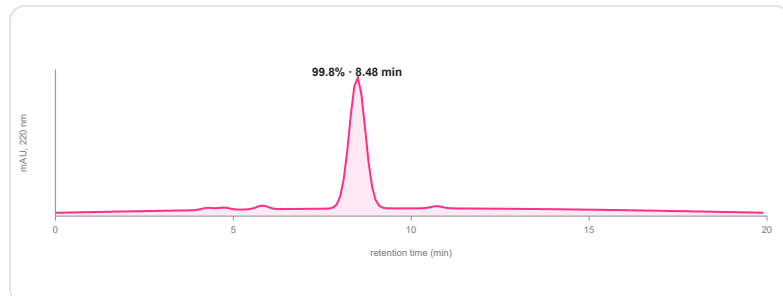
SEQUENCE / SÉQUENCE

YADAIFTNSYRKVLGQLSARKLLQDIMSR

RESULTS / RÉSULTATS

TEST / ESSAI	METHOD / MÉTHODE	SPECIFICATION / SPÉCIFICATION	RESULT / RÉSULTAT
Appearance / Apparence	Visual, USP <631>	White to off-white lyophilized powder	White lyophilized powder
Purity / Pureté	RP-HPLC, C18, 220 nm, area %	≥99%	99.8%
Identity / Identité	ESI-MS, positive mode	[M+H] ⁺ 3358.91 ± 0.1%	[M+H] ⁺ 3359.04 (Δ 0.004%)
Net peptide content / Teneur nette	Gravimetric, corrected for water and counter-ion	5 mg per vial	5.04 mg (99.8% of label)
Water content / Teneur en eau	Karl Fischer titration	≤ 8.0%	2.0%
Counter-ion / Contre-ion	Ion chromatography	Acetate, TFA below 1%	6.0% acetate
Bacterial endotoxin / Endotoxine	LAL, kinetic turbidimetric	< 1.0 EU/mg	< 0.33 EU/mg

CHROMATOGRAM / CHROMATOGRAMME



MASS SPECTRUM / SPECTRE DE MASSE



METHODS / MÉTHODES

PEAK	RT (MIN)	AREA %	ASSIGNMENT / ATTRIBUTION
1	4.28	0.01	Related impurity
2	4.72	0.02	Related impurity
3	5.81	0.13	Related impurity
4	8.48	99.80	Sermorelin 5 mg Lyophilized Powder Vial (main peak)
5	10.72	0.04	Related impurity

RP-HPLC. Reversed-phase HPLC on a C18 column with a water/acetonitrile gradient (0.1% TFA), detection at 220 nm; purity is the main peak area as a percentage of the total peak area.

ESI-MS. Electrospray ionization mass spectrometry in positive mode; identity is confirmed when the observed [M+H]⁺ (or [M+2H]²⁺) ion lies within 0.1% of the calculated mass.

Karl Fischer. Coulometric titration of a weighed aliquot for water content, reported as a percentage of the lyophilized mass.

Ion chromatography. Counter-ion content (acetate, residual trifluoroacetate) by anion-exchange chromatography with conductivity detection.

LAL. Kinetic turbidimetric Limulus amebocyte lysate assay for bacterial endotoxin, reported per milligram of peptide.

Analyst / Analyste QC laboratory · signed electronically September 6, 2026	Reviewed / Vérifié QC reviewer · signed electronically September 6, 2026	Released / Libéré Quality assurance · released for sale Document 5102F1307A
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This certificate reports the lot record held by Vita Science Peptides for lot SE-2609-06; results apply to that lot only. Document 5102F1307A can be checked against the lot register at <https://canada-peptides.net/lots/#se-2609-06>. Store as stated above; retest date September 6, 2028. Generated 2026-09-24 · <https://canada-peptides.net>