



Vita Science Peptides Inc.

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Certificate of Analysis

CERTIFICAT D'ANALYSE

Document 6E01DE006D · Lot SM-2609-22 · Issued / Émis September 15, 2026

SM5 Acylated Peptide Analogue, 5 mg Lyophilized Vial

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



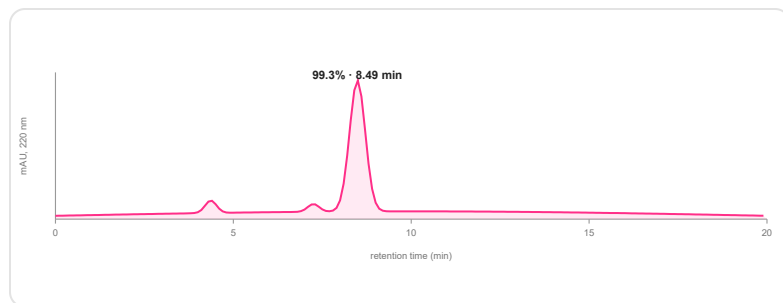
Verify this lot / Vérifier ce lot
canada-peptides.net/lots/#sm-2609-22

Catalogue no. / N° de catalogue	PEP-SM5-5	Lot / Lot	SM-2609-22
Date of analysis / Date d'analyse	September 15, 2026	Retest date / Date de réanalyse	September 15, 2028
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.		

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%	99.3%
Net peptide content / Teneur nette	Gravimetric, corrected for water and counter-ion	5 mg per vial	5.02 mg (102.2% of label)
Water content / Teneur en eau	Karl Fischer titration	≤ 8.0%	3.2%
Counter-ion / Contre-ion	Ion chromatography	Acetate, TFA below 1%	5.5% acetate
Bacterial endotoxin / Endotoxine	LAL, kinetic turbidimetric	< 1.0 EU/mg	< 0.14 EU/mg

CHROMATOGRAM / CHROMATOGRAMME



PEAK	RT (MIN)	AREA %	ASSIGNMENT / ATTRIBUTION
1	4.37	0.43	Related impurity
2	7.25	0.27	Related impurity
3	8.49	99.30	SM5 Acylated Peptide Analogue (main peak)

METHODS / MÉTHODES

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 amoebocyte lysate assay for bacterial endotoxin, reported per milligram of peptide.

Analyst / Analyste

QC laboratory · signed electronically
September 15, 2026

Reviewed / Vérifié

QC reviewer · signed electronically
September 15, 2026

Released / Libéré

Quality assurance · released for sale
Document 6E01DE006D

For laboratory research use only. Not for human or veterinary use. · Réservé à la recherche en laboratoire. Non destiné à l'usage humain ou vétérinaire.

This certificate reports the lot record held by Vita Science Peptides for lot SM-2609-22; results apply to that lot only. Document 6E01DE006D can be checked against the lot register at <https://canada-peptides.net/lots/#sm-2609-22>. Store as stated above; retest date September 15, 2028. Generated 2026-09-24 · <https://canada-peptides.net>