



Vita Science Peptides Inc.

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Certificate of Analysis

CERTIFICAT D'ANALYSE

Document 8E6141B67C · Lot TZ-2609-11 · Issued / Émis September 9, 2026

TZ5 Acylated Peptide Analogue, 5 mg Lyophilized Vial

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



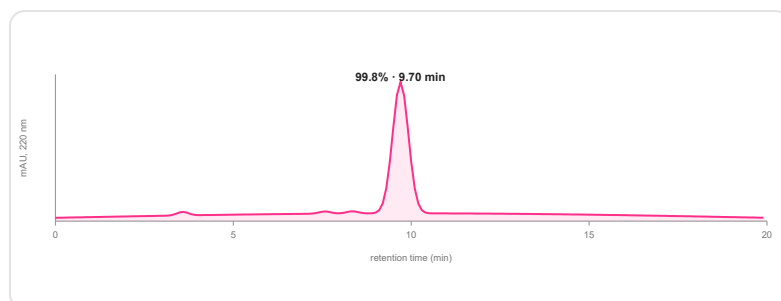
Verify this lot / Vérifier ce lot
canada-peptides.net/lots/#tz-2609-11

Catalogue no. / N° de catalogue	PEP-TZ5-5	Lot / Lot	TZ-2609-11
Date of analysis / Date d'analyse	September 9, 2026	Retest date / Date de réanalyse	September 9, 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%	99.8%
Net peptide content / Teneur nette	Gravimetric, corrected for water and counter-ion	5 mg per vial	5.13 mg (101.1% of label)
Water content / Teneur en eau	Karl Fischer titration	≤ 8.0%	3.3%
Counter-ion / Contre-ion	Ion chromatography	Acetate, TFA below 1%	6.1% acetate
Bacterial endotoxin / Endotoxine	LAL, kinetic turbidimetric	< 1.0 EU/mg	< 0.34 EU/mg

CHROMATOGRAM / CHROMATOGRAMME



PEAK	RT (MIN)	AREA %	ASSIGNMENT / ATTRIBUTION
1	3.57	0.12	Related impurity
2	7.57	0.02	Related impurity
3	8.34	0.05	Related impurity
4	9.70	99.80	TZ5 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 9, 2026

Reviewed / Vérifié

QC reviewer · signed electronically
September 9, 2026

Released / Libéré

Quality assurance · released for sale
Document 8E6141B67C

For laboratory research use only. Not for human or veterinary use. · Réserve 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 TZ-2609-11; results apply to that lot only. Document 8E6141B67C can be checked against the lot register at <https://canada-peptides.net/lots/#tz-2609-11>. Store as stated above; retest date September 9, 2028. Generated 2026-09-24 · <https://canada-peptides.net>