



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 AD478D8E8A · Lot TZ-2609-12 · Issued / Émis September
10, 2026

TZ-2 Acylated Peptide, 5 mg Lyophilized Vial

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



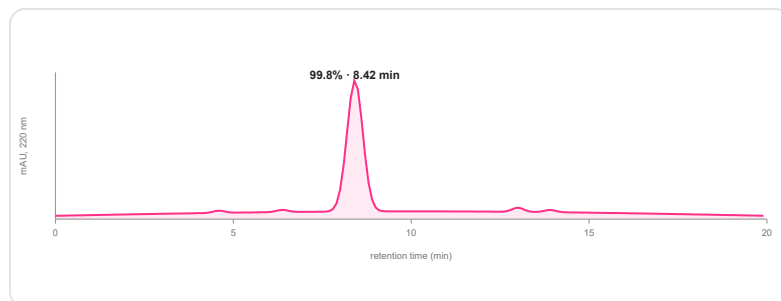
Verify this lot / Vérifier ce lot
canada-peptides.net/lots/#tz-2609-12

Catalogue no. / N° de catalogue	PEP-TZ2-5	Lot / Lot	TZ-2609-12
Date of analysis / Date d'analyse	September 10, 2026	Retest date / Date de réanalyse	September 10, 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	5.10 mg (102.8% of label)
Water content / Teneur en eau	Karl Fischer titration	≤ 8.0%	3.7%
Counter-ion / Contre-ion	Ion chromatography	Acetate, TFA below 1%	6.9% acetate
Bacterial endotoxin / Endotoxine	LAL, kinetic turbidimetric	< 1.0 EU/mg	< 0.28 EU/mg

CHROMATOGRAM / CHROMATOGRAMME



PEAK	RT (MIN)	AREA %	ASSIGNMENT / ATTRIBUTION
1	4.60	0.03	Related impurity
2	6.38	0.01	Related impurity
3	8.42	99.80	TZ-2 Acylated Peptide (main peak)
4	12.99	0.14	Related impurity
5	13.90	0.01	Related impurity

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

Reviewed / Vérifié

Released / Libéré

QC laboratory · signed electronically
September 10, 2026

QC reviewer · signed electronically
September 10, 2026

Quality assurance · released for sale
Document AD478D8E8A

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 TZ-2609-12; results apply to that lot only. Document AD478D8E8A can be checked against the lot register at <https://canada-peptides.net/lots/#tz-2609-12>. Store as stated above; retest date September 10, 2028. Generated 2026-09-24 · <https://canada-peptides.net>