



## Vita Science Peptides Inc.

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## Certificate of Analysis

CERTIFICAT D'ANALYSE

Document E4EE637918 · Lot AO-2609-01 · Issued / Émis September 2, 2026

### AOD-9604 Lyophilized Powder, 5 mg 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/#ao-2609-01](https://canada-peptides.net/lots/#ao-2609-01)

|                                      |                                                |                                 |                                                                                                                                |
|--------------------------------------|------------------------------------------------|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| Catalogue no. / N° de catalogue      | PEP-AOD9604                                    | Lot / Lot                       | AO-2609-01                                                                                                                     |
| Date of analysis / Date d'analyse    | September 2, 2026                              | Retest date / Date de réanalyse | September 2, 2028                                                                                                              |
| CAS                                  | 221231-10-3                                    | Molecular formula / Formule     | C78H123N23O23S2                                                                                                                |
| Molecular weight / Masse moléculaire | 1815.1 g/mol                                   | Quantity / Quantité             | 5 mg per vial                                                                                                                  |
| Form /<br>Forme                      | Lyophilized powder in a sealed 3 mL glass vial | Storage /<br>Conservation       | Lyophilized powder: store sealed at -20 °C, protected from light and moisture.<br>Ships at ambient temperature with desiccant. |

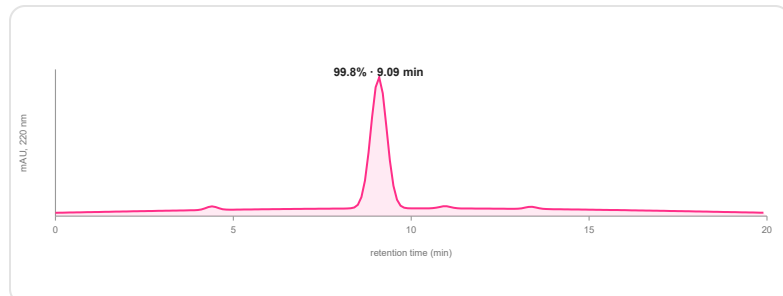
### SEQUENCE / SÉQUENCE

YLRIVQCRSVEGSCGF

### RESULTS / RÉSULTATS

| TEST / ESSAI                        | METHOD / MÉTHODE                                 | SPECIFICATION /<br>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] <sup>+</sup> 1816.11 ± 0.1%     | [M+H] <sup>+</sup> 1816.19 (Δ 0.005%) |
| Net peptide content / Teneur nette  | Gravimetric, corrected for water and counter-ion | 5 mg per vial                         | 4.99 mg (99.7% of label)              |
| Water content / Teneur en eau       | Karl Fischer titration                           | ≤ 8.0%                                | 3.5%                                  |
| Counter-ion / Contre-ion            | Ion chromatography                               | Acetate, TFA below 1%                 | 7.1% acetate                          |
| Bacterial endotoxin /<br>Endotoxine | LAL, kinetic turbidimetric                       | < 1.0 EU/mg                           | < 0.20 EU/mg                          |

### CHROMATOGRAM / CHROMATOGRAMME



| PEAK | RT (MIN) | AREA % | ASSIGNMENT / ATTRIBUTION |
|------|----------|--------|--------------------------|
| 1    | 4.39     | 0.12   | Related impurity         |

### MASS SPECTRUM / SPECTRE DE MASSE



### METHODS / MÉTHODES

| PEAK | RT (MIN) | AREA % | ASSIGNMENT / ATTRIBUTION                |
|------|----------|--------|-----------------------------------------|
| 2    | 9.09     | 99.80  | AOD-9604 Lyophilized Powder (main peak) |
| 3    | 10.95    | 0.02   | Related impurity                        |
| 4    | 13.37    | 0.05   | 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]<sup>+</sup> (or [M+2H]<sup>2+</sup>) 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 2, 2026

**Reviewed / Vérifié**

QC reviewer · signed electronically  
September 2, 2026

**Released / Libéré**

Quality assurance · released for sale  
Document E4EE637918

**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 AO-2609-01; results apply to that lot only. Document E4EE637918 can be checked against the lot register at <https://canada-peptides.net/lots/#ao-2609-01>. Store as stated above; retest date September 2, 2028. Generated 2026-09-24 · <https://canada-peptides.net>