Peptide Test Canada
peptidetestcanada.ca
Canada's Most Trusted Independent Peptide Testing Lab

# Certificate of Analysis

SCAN TO VERIFY

PTC-FCN53L8E

Lab ID: **MOTS-167**

**REPORTED** September 17, 2026

**VERIFY** peptidetestcanada.ca/verify
**EMAIL** info@peptidetestcanada.ca

**END CUSTOMER**
**NAME** The Peptides Haus
info@thepeptideshaus.co

## § 01 Sample Information

FOR RESEARCH PURPOSES ONLY

| | | | |
|---|---|---|---|
| Sample ID: | **MOTS-167** | Received: | **09/04/2026** |
| Compound: | **MOTS-c** | Analyzed: | **09/17/2026** |
| Report No.: | **COA-2026-SC-02605** | CAS: | **1627580-64-6** |
| Total Mass: | **98.0 mg** | Formula: | **$C_{101}H_{152}N_{28}O_{22}S_2$** |
| Appearance: | **Lyophilized powder** | Mol Weight: | **2174.5 g/mol** |

SAMPLE PHOTOGRAPH




## § 02 Analytical Results

*Qualitative and Quantitative chemical analysis by Liquid Chromatography Tandem Mass Spectrometry (HPLC-MS/MS)*

| | SPECIFICATION | RESULT | STATUS |
|---|---|---|---|
| **Compound Test:** | MOTS-c | **MOTS-c** | |
| **Net Peptide Content:** | 20.00 mg | **22.61 mg** | |
| **Peptide Fill Accuracy:** | ≥ 90 % | **113.1 %** | **PASS** |
| **Chromatographic Purity:** | ≥ 98 % | **99.4 %** | |

**Peptide fill accuracy** is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

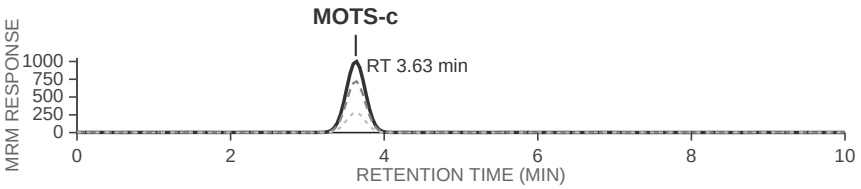
**Chromatographic purity** is the target peptide's concentration as a percentage of the total peptide concentration measured — the target peptide against the other trace peptides detected in the same sample. It reflects peptide-related impurities only; it does not measure salts, excipients, or water, and is separate from net peptide content (the actual mg of peptide). **—** means not determined.

## § 03 HPLC-MS/MS Detail

METHOD A · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

**PRECURSOR [M+3H]3+**
**725.50 Da**

**Quantifier transition ● MRM**
**725.50 › 175.10** CE 25 V




| ROLE | TRANSITION | CE |
|---|---|---|
| ● Quantifier | 725.5 › 175.1 | 25 V |
| ■ Qualifier | 725.5 › 159.1 | 30 V |

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 µm · Solvent A: 0.1 % formic acid in $H_2O$ · Solvent B: 0.1 % formic acid in Acetonitrile

**Issued September 17, 2026**

**DISCLAIMER · RESEARCH USE ONLY**

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**Issued September 17, 2026**