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

Certificate of Analysis

SCAN TO VERIFY

PTC-3SE3P82E

Lab ID: **MOTS-166**

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-166**	Received:	**09/04/2026**
Compound:	**MOTS-c**	Analyzed:	**09/17/2026**
Report No.:	**COA-2026-SC-02601**	CAS:	**1627580-64-6**
Total Mass:	**61.2 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**	**PASS**
Net Peptide Content:	40.00 mg	**48.57 mg**	
Peptide Fill Accuracy:	≥ 90 %	**121.4 %**	
Chromatographic Purity:	≥ 98 %	**99.5 %**	

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

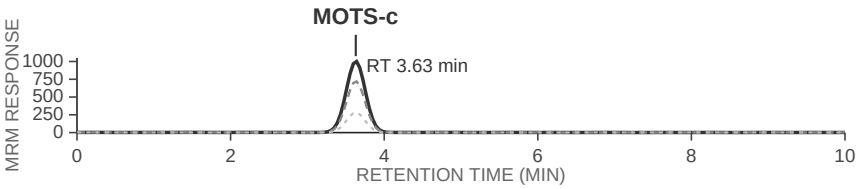
METHOD A · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

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

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DISCLAIMER · RESEARCH USE ONLY

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Issued September 17, 2026