

Peptide Test **Canada**

Certificate of Analysis

Lab ID: MOTS-011

REPORTED July 5, 2026

CLIENT

VERIFY Peptidetestcanada.ca/verify
EMAIL Info@peptidetestcanada.ca
ORDER # PTC-C77993



END CUSTOMER

NAME Virtue Research Peptides
EMAIL —
PHONE —
ADDRESS —

§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID: MOTS-011

Compound: MOTS-c

Report No.: COA-2026-SC-00171

Lot Number: COA-2026-SC-00171

Total Mass: 114.8 mg

Appearance: Lyophilized powder

Received: —

Analyzed: 07/05/2026

CAS: 1627580-64-6

Formula: C₁₀₀H₁₅₂N₂₈O₂₂

Mol Weight: 2174.5 g/mol

SAMPLE PHOTOGRAPH



§ 02 Analytical Results

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

	SPECIFICATION	RESULT	STATUS
Compound Test:	MOTS-c	MOTS-c	PASS
Net Peptide Content:	40.00 mg	41.58 mg	
Peptide Label Accuracy:	≥ 90 %	103.9 %	
Chromatographic Purity:	≥ 98 %	99.1 %	

Chromatographic purity is reported as 100 % when no other peak is detected; if any additional peak is detected, the purity will vary from 100 %.

§ 03 LC-MS/MS Detail

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

PRECURSOR [M+4H]⁴⁺
544.70 Da

Quantifier transition ● MRM
544.70 > 136.10 CE 25 V

MOTS-c
RT 7.2 min

ROLE	TRANSITION	CE
● Quantifier	544.7 > 136.1	25 V
■ Qualifier	544.7 > 110.1	30 V

Agilent Poroshell 120 EC-C18 · 2.1×100 mm · 2.7 µm · Solvent A: 0.1 % formic acid in H₂O · Solvent B: 0.1 % formic acid in Acetonitrile

DISCLAIMER · RESEARCH USE ONLY
Results relate **only to the sample as received** and the tests performed — not to any other unit, lot, or batch. **For research use only:** not a certificate of quality, safety, efficacy, or regulatory compliance, and not for human or veterinary administration, clinical or diagnostic use, or label claims. SideChain Analytics does not manufacture, source, or sell the material and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full.