Peptide Test Canada
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Canada's Most Trusted Independent Peptide Testing Lab

Certificate of Analysis

SCAN TO VERIFY

PTC-7NAFJ52B

Sample ID: **MOTS-271**

REPORTED October 28, 2026

CLIENT

VERIFY peptidetestcanada.ca/verify
EMAIL info@peptidetestcanada.ca
ORDER # PTC-691763

END CUSTOMER

NAME P101 Series

§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	**MOTS-271**	Received:	**10/19/2026**
Compound:	**MOTS-c**	Analyzed:	**10/28/2026**
Report No.:	**COA-2026-SC-04431**	CAS:	**1627580-64-6**
Appearance:	**Lyophilized vial**	Formula:	**$C_{101}H_{152}N_{28}O_{22}S_2$**
		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
Compound Test:	MOTS-c	**MOTS-c**
Net Peptide Content:	10.00 mg	**9.66 mg**
Peptide Fill Accuracy:	≥ 90 %	**96.6 %**
Chromatographic Purity:	≥ 98 %	**99.7 %**

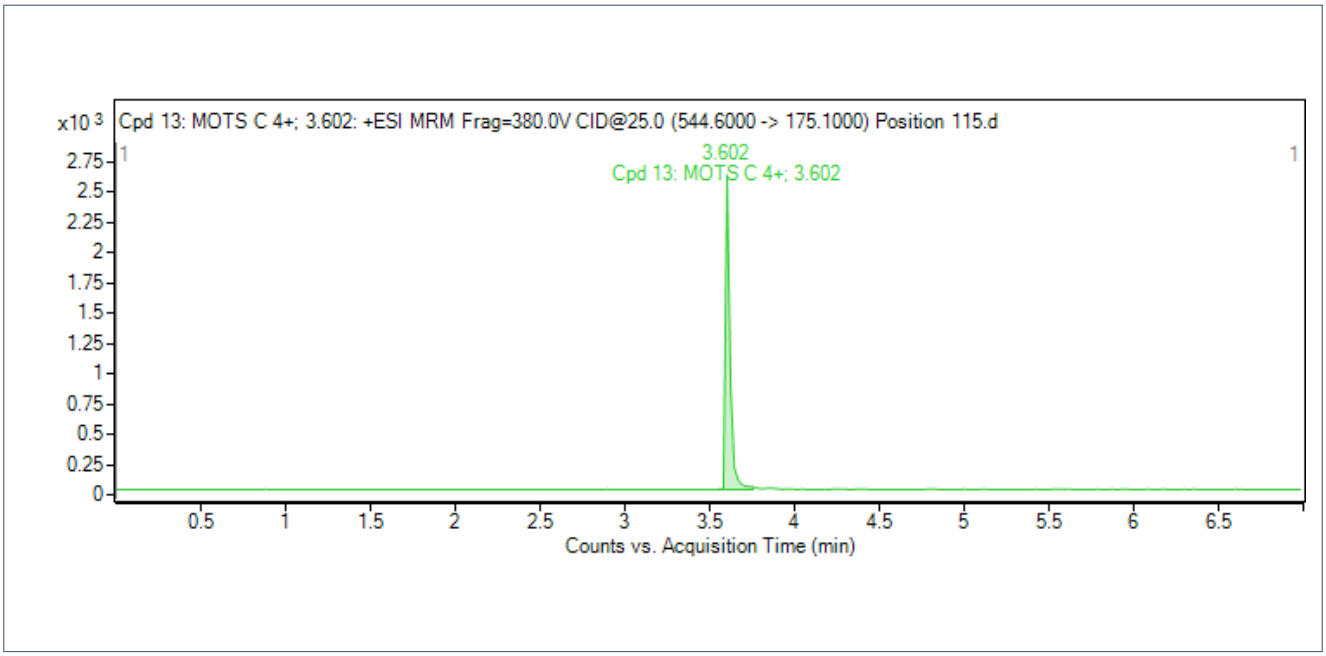
Peptide fill accuracy is the measured net peptide content expressed as a percentage of the declared label claim (measured ÷ label claim × 100).

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.

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§ 03 Chromatogram — MOTS-c

Instrument acquisition — HPLC-MS/MS (MRM). Chromatographic trace as acquired for this sample.



MOTS-c