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

Certificate of Analysis

SCAN TO VERIFY
PTC-K9GCCRET

Lab ID: **MOTS-180**

REPORTED September 26, 2026

CLIENT

VERIFY peptidetestcanada.ca/verify
EMAIL info@peptidetestcanada.ca
ORDER # PTC-510289

END CUSTOMER

NAME Lana Peptides

§ 01 Sample Information

FOR RESEARCH PURPOSES ONLY

Sample ID:	**MOTS-180**	Received:	**09/14/2026**
Compound:	**MOTS-c**	Analyzed:	**09/26/2026**
Report No.:	**COA-2026-SC-02741**	CAS:	**1627580-64-6**
Lot Number:	**LAN-MOTS-2609-01**	Formula:	**$C_{101}H_{152}N_{28}O_{22}S_2$**
Total Mass:	**54.6 mg**	Mol Weight:	**2174.5 g/mol**
Appearance:	**Lyophilized powder**		

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:	10.00 mg	**12.50 mg**	
Peptide Fill Accuracy:	≥ 90 %	**125.0 %**	
Chromatographic Purity:	≥ 98 %	**99.6 %**	

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

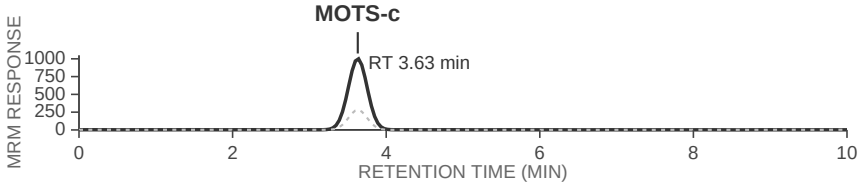
METHOD A · AGILENT 1290 INFINITY II + 6495 QQQ · ESI+

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

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

Results relate **only to the sample as received** by Side-Chain Analytics Inc. and the tests performed, as and when received — not to any other unit, vial, lot, or batch, and not to any other product bearing the same name, label, or description. This report is not a verification of any lot or batch. **For research use only**: this report is not a certificate of quality, safety, efficacy, or regulatory compliance; the material tested is not authorized by Health Canada for human or veterinary use; and this report is not for human or veterinary administration, clinical or diagnostic use, or label claims. Side-Chain Analytics Inc. does not manufacture, source, or sell the material tested and makes **no warranty, express or implied**; its liability shall not exceed the testing fee. This report may not be reproduced except in full, and may not be reproduced, displayed, quoted, or referenced — in whole or in part, including by any badge, seal, or link — in connection with the advertising, offer for sale, sale, or distribution of any product. This certificate is valid only as currently shown at sidechainanalytics.com/verify and may be withdrawn.

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