



CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

MOTS-c

40 mg

Client: **Vistara Labs**

LAB ID MOTS-158_D ISSUED SEPTEMBER 10, 2026

§ 01 Sample Information

Sample ID: **MOTS-158_D**
Compound: **MOTS-c**
Report No.: **COA-2026-SC-01925**
Total Mass: **148.0 mg**
Appearance: **Lyophilized powder**
Received: **09/03/2026**
Analyzed: **09/10/2026**
CAS: **1627580-64-6**
Formula: **C₁₀₁H₁₅₂N₂₈O₂₂S₂**
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)

Instrument · Agilent 1290 Infinity II with Agilent 6495 QQQ

IDENTITY

MOTS-c

Principal component confirmed against reference standard

NET PEPTIDE CONTENT

49.77 mg

Total peptide in the vial as received

PEPTIDE FILL ACCURACY

124.4 %

Measured net content ÷ declared label claim

CHROMATOGRAPHIC PURITY

99.7 %

Principal-component peak area (Ph. Eur. 2.2.46)

Identity confirmation criteria — MRM 725.5 > 175.1 (quantifier); retention time —: in agreement with reference standard.

Chromatographic purity bounds peptide-related impurities only — not excipients, counter-ions, or residual water — and is separate from net peptide content. Values are reported as measured; this document contains **no pass/fail determination** against any specification or label claim.

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