



CERTIFICATE OF ANALYSIS · IDENTITY · PURITY

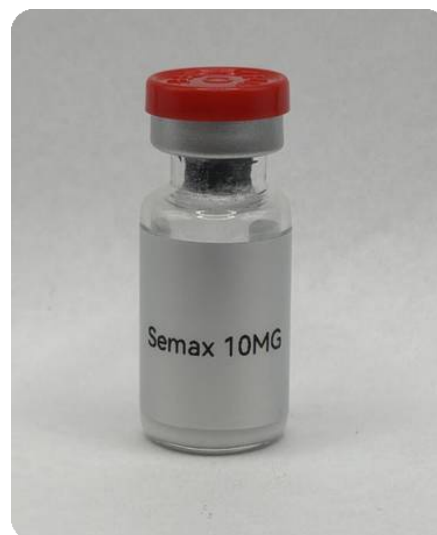
Semax

10 mg

Client: **Northern Research Supply**
LAB ID SMX-047_D ISSUED SEPTEMBER 17, 2026

§ 01 Sample Information

Sample ID: **SMX-047_D**
Compound: **Semax**
Report No.: **COA-2026-SC-02522**
Total Mass: **78.2 mg**
Appearance: **Lyophilized powder**
Received: **09/10/2026**
Analyzed: **09/17/2026**
CAS: **80714-61-0**
Formula: **C₃₇H₅₁N₉O₁₀S**
Mol Weight: **813.9 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	NET PEPTIDE CONTENT	PEPTIDE FILL ACCURACY	CHROMATOGRAPHIC PURITY
Semax Principal component confirmed against reference standard	13.83 mg Total peptide in the vial as received	138.3 % Measured net content ÷ declared label claim	99.8 % Principal-component peak area (Ph. Eur. 2.2.46)

Identity confirmation criteria — MRM 407.7 > 110.1 (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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