

CERTIFICATE OF ANALYSIS

Product Name:

Semax

Molecular Formula:

C₃₇H₅₁N₉O₁₀S

Molecular Weight:

813.93 g/mol

CAS No.:

80714-61-0

COA No.:

EQA-260517-SX10-182

Client:

support@peptiflo.com

Batch No.:

EQA-260517-182

Quantity:

10 mg/vial

Mfg. Date:

Jul. 2nd, 2026

Retest Date:

Jul. 2nd, 2028

Storage:

2-8°C

Protect from light

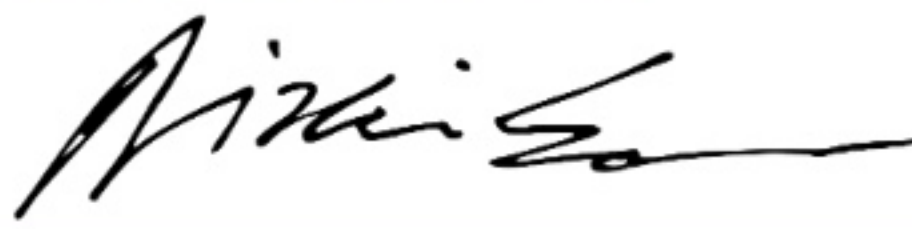
TEST ITEMS	SPECIFICATIONS	RESULTS	METHOD
Appearance	White to off-white lyophilized powder	Conforms	Visual
Identification	Consistent with reference standard	Conforms	HPLC
Purity	NLT 98.0%	99.90%	HPLC
Related Impurities	Each impurity NMT 1.0% Total impurities NMT 2.0%	Each impurity <= 0.59% Total impurities 0.96%	HPLC
Mass Spectrum	Consistent with theoretical mass Calc. Mass: 813.93 +/- 1.0 g/mol	Observed: 813.9 g/mol	MS
Assay	NLT 90.0% (on dry basis)	95.5%	HPLC
Water Content	NMT 7.0%	3.4%	Karl Fischer
Bacterial Endotoxins	NMT 1 EU/mg	Conforms (< 0.25 EU/mg)	LAL



AUTHORIZED BY:

This document has been prepared and approved by the authorized representative of EquiAnalyze Research Laboratory.

ANALYTICAL REVIEW BY:



Aixia Song
Quality Manager
EquiAnalyze Research Laboratory

SIGNATURE DATE:

Jul. 3rd, 2026

Conclusion: This batch complies with enterprise quality standards.

Reference Methods: HPLC Method: SOP-HPLC-017 | LC-MS Method: SOP-MS-004 | GC Method: SOP-GC-002

RESEARCH USE ONLY