



# CERTIFICATE OF ANALYSIS

NHS-COA-034

RELEASED

## PRODUCT

**Semax 10mg**

sem-v-10mg

Lyophilized powder, 10mg/vial

## SKU

NHS-V-SEM-10

## CATEGORY

Neural Research

LOT NUMBER	MANUFACTURE DATE	EXPIRY DATE	UNITS IN LOT	STORAGE
NH-SEMAX-2273-A	Mar 11, 2026	Mar 10, 2028	48 units	-20°C lyophilized · 2-8°C reconstituted

## 1 FILL CONFORMANCE

TARGET FILL	BATCH MEAN	ACCEPTANCE	CONFORMANCE
<b>11.5 mg</b>	<b>11.51 mg</b>	± 5%	<b>48/50 PASS</b>

## 2 ANALYTICAL TEST RESULTS

PARAMETER	METHOD	SPECIFICATION	RESULT
<b>Appearance</b> Visual inspection	Visual	White to off-white	<b>Conforms — pass</b>
<b>Identity</b> Molecular confirmation	LC-MS	Observed mass	<b>Confirmed — pass</b>
<b>Purity</b> Area %	RP-HPLC, UV	≥ 99.0%	<b>99.11% — pass</b>
<b>Endotoxin</b> Bacterial endotoxin test	LAL gel-clot	< 1.0 EU/mg	<b>&lt; 1 — pass</b>
<b>Water content</b> Karl Fischer titration	Karl Fischer	Report % w/w	<b>3.6% — report</b>
<b>Residual solvents</b> Headspace analysis	GC headspace	ICH Q3C class 2/3	<b>Below limits — pass</b>
<b>Net peptide content</b> Concentration of peptide	HPLC	Report Net %	<b>84% — report</b>

TESTED BY	MANUFACTURED BY	ISSUED FOR
<b>pH Solutions Lab</b> GMP third-party testing facility · chain-of-custody	<b>Noble Harbor Sciences</b> ISO 7 cleanroom · RUO peptide manufacturing & aliquoting	<b>Noble Harbor Sciences</b> Brand of record · holds release authority on this lot

## AUTHORIZED RELEASE

### QA Manager · Noble Harbor Sciences

All tested parameters conform to the specifications defined in this certificate. This lot has been independently reviewed and released by Noble Harbor Sciences based on conformant data provided by third-party testing under chain-of-custody.

**For Research Use Only.** Not for use in diagnostic procedures. Not for human or veterinary use. This product has not been evaluated by the Food and Drug Administration. Storage and handling are the responsibility of the receiving laboratory.

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