CERTIFICATE OF ANALYSIS

TESTED PEPTIDE: **SEMAX**

Scan to Verify COA Authenticity

SAMPLE INFORMATION

Sample Name:
Semax 10mg

Sample ID:
0570.OPT.260803

Lot Number:
SD-260730-1

Client:
Elite Gen Labs

Sample Matrix:
Lyophilized Peptide

Intended Use:
Research Use Only

Received Date:
August 3, 2026

Report Date:
August 8, 2026

IDENTITY	POTENCY	PURITY
SEMAX	9.73 mg	99%
LC-MS	HPLC	RP-HPLC

ENDOTOXIN	RESIDUAL SOLVENTS	HEAVY METALS
PASS	PASS	PASS
LAL	GC-MS	ICP-OES

RESULTS SUMMARY

TEST PANEL	METHOD	SPECIFICATION	RESULT	STATUS
Identity Verification	LC-MS	-	Semax	TESTED
Potency (Assay)	HPLC	-	9.73 mg	TESTED
Purity	RP-HPLC	≥ 98.0%	99%	TESTED
pH	Probe	5.0 – 8.0	6.1	PASS
Water Activity	Probe	-	0.34 aw	PASS
Endotoxin	LAL	≤ 0.05 EU/mg	Pass	PASS
Sterility	USP <71>	No Growth	Pass	PASS
Total Yeast & Mold	USP <61>/<62>	Within Limits	Pass	PASS
Residual Solvents	GC-MS	-	Pass	PASS
Heavy Metals	ICP-OES	Within Limits	Pass	PASS

QUALITY GUARANTEED

Analyst
Bryan Zahakaylo
Date: August 8, 2026

ND = Not Detected, NR = Not Reported, LOD = Limit of Detection, and LOQ = Limit of Quantitation. Results reported herein relate only to the specific sample tested. Optiq Health Labs, LLC makes no claims regarding the efficacy, safety, suitability, purity, sterility, or other risks associated with any detected or non-detected compounds, analytes, or reported values. This Certificate of Analysis shall not be reproduced except in full, without the written approval of Optiq Health Labs, LLC. This Certificate of Analysis is limited to the sample received and tested by the laboratory and does not represent or warrant the quality, composition, or characteristics of any other sample, lot, batch, product, or material. Any statements, representations, labeling, or claims regarding the intended use, application, or purpose of the tested material are solely those of the client and do not constitute, imply, or reflect any recommendation, endorsement, certification, or intended use determination by Optiq Health Labs, LLC.

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Residual Solvents

Instrument: **GC-MS** Analysis Date: **August 8, 2026** **PASS**

Analyte	LOD (µg/g)	LOQ (µg/g)	Action Limit (µg/g)	Result (µg/g)	Status
Propane	15.4688	46.875	5000	**0**	**PASS**
Butane	15.4688	46.875	5000	**0**	**PASS**
Methanol	15.4688	46.875	3000	**0**	**PASS**
Ethylene Oxide	0.1547	0.4688	1	**0**	**PASS**
Pentane	15.4688	46.875	5000	**0**	**PASS**
Ethanol	15.4688	46.875	5000	**0**	**PASS**
Ethyl Ether	15.4688	46.875	5000	**0**	**PASS**
Acetone	15.4688	46.875	5000	**0**	**PASS**
Isopropyl Alcohol	15.4688	46.875	5000	**0**	**PASS**
Acetonitrile	15.4688	46.875	410	**0**	**PASS**
Methylene Chloride	0.1547	0.4688	1	**0**	**PASS**
n-Hexane	15.4688	46.875	290	**0**	**PASS**
Ethyl Acetate	15.4688	46.875	5000	**0**	**PASS**
Chloroform	0.1547	0.4688	1	**0**	**PASS**
Benzene	0.1547	0.4688	1	**0**	**PASS**
1,2-Dichloroethane	0.1547	0.4688	1	**0**	**PASS**
Heptane	15.4688	46.875	5000	**0**	**PASS**
Trichloroethylene	0.1547	0.4688	1	**0**	**PASS**
Toluene	15.4688	46.875	890	**0**	**PASS**
Total Xylenes (m, p)	23.2032	70.3125	-	**0**	**PASS**
Total Xylenes (o)	23.2032	70.3125	-	**0**	**PASS**
Total Xylenes	-	-	2170	ND	**PASS**

Heavy Metals

Instrument: **ICP-OES** Analysis Date: **August 8, 2026** **PASS**

Analyte	LOD (µg/g)	LOQ (µg/g)	Action Limit (µg/g)	Result (µg/g)	Status
Arsenic	0.015	0.05	0.2	ND	**PASS**
Cadmium	0.0113	0.05	0.2	ND	**PASS**
Lead	0.00615	0.05	0.5	ND	**PASS**
Mercury	0.00126	0.005	0.1	ND	**PASS**

QUALITY GUARANTEED

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