PEPTIDES TESTING LAB

# Certificate of Analysis

Name:

LONGVILLE LONGEVITY & LIGHT CENTER

| Sample / Product | Overall Status | Tested For |
|---|---|---|
| Semax 10mg Nasal 15ml ACT | PASS | Identity, Purity, Net Peptide Content Endotoxin |

| | | | |
|---|---|---|---|
| COA #: | LLLC490593026 | Analysis Date: | 09.14.26 |
| Lot Number: | SEM10N0626 | Appearance: | Acceptable |
| Accession #: | N/A | Sample Matrix: | Not Specified |
| Labeled Content: | 10mg | Date Received: | 09.10.26 |

Method: LCMS

| Identity | Peptide Purity |
|---|---|
| Semax | 99.3% |

## Analytical Results

| Analyte | Specification | Result | Unit | Status |
|---|---|---|---|---|
| Peptide Purity (HPLC) | UV 208nm | 99.3 | % | PASS |
| Net Peptide Content | Net ME | Semax 9.9 | mg | PASS |
| Identity (HPLC-RT) | MW 813.9 | 814.7 [M+H] | m/z | PASS |
| Additional Analyte 1 | N/A | N/A | | N/A |
| Additional Analyte 2 | N/A | N/A | | N/A |

## Heavy Metals / Screening

| Analyte | Specification | Result | Unit | Status |
|---|---|---|---|---|
| Arsenic (As) | N/A | N/A | N/A | N/A |
| Cadmium (Cd) | N/A | N/A | N/A | N/A |
| Lead (Pb) | N/A | N/A | N/A | N/A |
| Mercury (Hg) | N/A | N/A | N/A | N/A |
| Fentanyl Screen | N/A | N/A | N/A | N/A |

## Chromatogram / Instrument Output

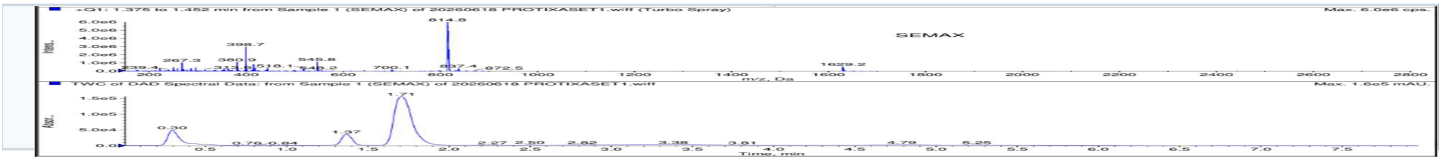



Figure Caption: LCMS instrument output - Semax

Access Code: N/A  Verify URL: N/A

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Sample / Product:

COA #: LLLC490593026

## Conformity / Replicate Testing Results

| | | | | |
|---|---|---|---|---|
| **Sample 1** | NA | NA | NA | NA |
| **Sample 2** | NA | NA | NA | NA |
| **Sample 3** | NA | NA | NA | NA |
| **Mean** | NA | NA | NA | NA |
| **Std Dev** | NA | NA | NA | NA |

## Sterility Testing

| Test | Specification | Result | Status |
|---|---|---|---|
| **Sterility** | NA | NA | NA |

## Endotoxin Testing

| Test | Specification | Result | Status |
|---|---|---|---|
| **Endotoxin** | Reported endotoxin value | 0.052 EU/mg | PASS |

Interpretation / Notes:

Endotoxin testing value: 0.52 EU/mg. Conclusion: Semax measured at 9.9mg with purity 99.3%.

## Notes & Methodology

LCMS. Salts and sugars serving as fillers in injectables, capsules, or tablets are not considered impurities.




## Certificate Record

| Date Tested: | Issued Date: | COA #: | Access Code: |
|---|---|---|---|
| 09.14.26 | 09.30.26 | LLLC490593026 | NA |

Verification URL: NA