



Scan to Verify  
COA Authenticity



## SAMPLE INFORMATION

**Sample Name:**  
SEMAGLUTIDE 20MG

**Lot Number:**  
KIZN072426

**Sample Matrix:**  
Lyophilized Peptide

**Received Date:**  
July 29, 2026

**Sample ID:**  
0319.OPT.260729

**Client:**  
Wholesale Peptide Supply

**Intended Use:**  
Research Use Only

**Report Date:**  
August 21, 2026



IDENTITY  
**SEMAGLUTIDE**  
LC-MS



POTENCY  
**19.37 mg**  
HPLC



PURITY  
**99.55%**  
RP-HPLC



ENDOTOXIN  
**PASS**  
LAL



RESIDUAL  
SOLVENTS  
**PASS**  
GC-MS



HEAVY  
METALS  
**PASS**  
ICP-OES

## RESULTS SUMMARY

| TEST PANEL            | METHOD        | SPECIFICATION | RESULT      | STATUS |
|-----------------------|---------------|---------------|-------------|--------|
| Identity Verification | LC-MS         | -             | Semaglutide | TESTED |
| Potency (Assay)       | HPLC          | -             | 19.37 mg    | TESTED |
| Purity                | RP-HPLC       | ≥ 98.0%       | 99.55%      | TESTED |
| pH                    | Probe         | 5.0 – 8.0     | 5.05        | PASS   |
| Water Activity        | Probe         | -             | 0.2355 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   |



| <div>  <b>Residual Solvents</b> Instrument: GC-MS Analysis Date: August 21, 2026 <div>PASS</div> </div> |            |            |                     |               |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------------------|---------------|--------|
| Analyte                                                                                                                                                                                  | LOD (µg/g) | LOQ (µg/g) | Action Limit (µg/g) | Result (µg/g) | Status |
| Propane                                                                                                                                                                                  | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Butane                                                                                                                                                                                   | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Methanol                                                                                                                                                                                 | 15.4688    | 46.875     | 3000                | ND            | PASS   |
| Ethylene Oxide                                                                                                                                                                           | 0.1547     | 0.4688     | 1                   | ND            | PASS   |
| Pentane                                                                                                                                                                                  | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Ethanol                                                                                                                                                                                  | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Ethyl Ether                                                                                                                                                                              | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Acetone                                                                                                                                                                                  | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Isopropyl Alcohol                                                                                                                                                                        | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Acetonitrile                                                                                                                                                                             | 15.4688    | 46.875     | 410                 | ND            | PASS   |
| Methylene Chloride                                                                                                                                                                       | 0.1547     | 0.4688     | 1                   | ND            | PASS   |
| n-Hexane                                                                                                                                                                                 | 15.4688    | 46.875     | 290                 | ND            | PASS   |
| Ethyl Acetate                                                                                                                                                                            | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Chloroform                                                                                                                                                                               | 0.1547     | 0.4688     | 1                   | ND            | PASS   |
| Benzene                                                                                                                                                                                  | 0.1547     | 0.4688     | 1                   | ND            | PASS   |
| 1,2-Dichloroethane                                                                                                                                                                       | 0.1547     | 0.4688     | 1                   | ND            | PASS   |
| Heptane                                                                                                                                                                                  | 15.4688    | 46.875     | 5000                | ND            | PASS   |
| Trichloroethylene                                                                                                                                                                        | 0.1547     | 0.4688     | 1                   | ND            | PASS   |
| Toluene                                                                                                                                                                                  | 15.4688    | 46.875     | 890                 | ND            | PASS   |
| Total Xylenes                                                                                                                                                                            | -          | -          | 2170                | ND            | PASS   |
| Total Xylenes (m, p)                                                                                                                                                                     | 23.2032    | 70.3125    | -                   | ND            | PASS   |
| Total Xylenes (o)                                                                                                                                                                        | 23.2032    | 70.3125    | -                   | ND            | PASS   |

| <div>  <b>Heavy Metals</b> Instrument: ICP-OES Analysis Date: August 21, 2026 <div>PASS</div> </div> |            |            |                     |               |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|---------------------|---------------|--------|
| 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   |