



Scan to Verify  
COA Authenticity



SAMPLE INFORMATION

**Sample Name:**  
Tirzepatide 60mg

**Client:**  
PureX Bio LLC

**Intended Use:**  
Research Use Only

**Report Date:**  
August 10, 2026

**Sample ID:**  
0577.OPT.260803

**Sample Matrix:**  
Lyophilized Peptide

**Received Date:**  
August 3, 2026



IDENTITY  
**TIRZEPATIDE**  
LC-MS



POTENCY  
**59.66 mg**  
HPLC



PURITY  
**99.5%**  
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         | -             | Tirzepatide | TESTED |
| Potency (Assay)       | HPLC          | -             | 59.66 mg    | TESTED |
| Purity                | RP-HPLC       | ≥ 98.0%       | 99.5%       | TESTED |
| pH                    | Probe         | 5.0 – 8.0     | 6.4         | PASS   |
| Water Activity        | Probe         | -             | 0.37 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   |



## Residual Solvents

Instrument: GC-MS

Analysis Date: August 10, 2026

PASS

| 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 (m, p) | 23.2032    | 70.3125    | -                   | ND            | PASS   |
| Total Xylenes (o)    | 23.2032    | 70.3125    | -                   | ND            | PASS   |
| Total Xylenes        | -          | -          | 2170                | ND            | PASS   |

## Heavy Metals

Instrument: ICP-OES

Analysis Date: August 10, 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   |