Customer:
Peptide Partners

EA Sample ID: 26EA1028-003
Sample Name: 5-Amino
Sample Type: Powder
Batch/Lot: AM2626

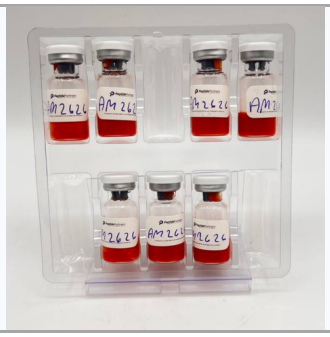
Date Received:
10/28/2026
Date Completed:
11/03/2026

ETHOS ANALYTICS

# CERTIFICATE OF ANALYSIS

## Summary of Results

| Analysis Type | Method | Date Tested | Status |
|---|---|---|---|
| 5-Amino-1MQ | HPLC | 10/29/2026 | Pass |
| Bacterial Endotoxins | USP <85> | 11/03/2026 | Pass |
| Rapid Sterility | qPCR | 11/03/2026 | Pass |
| Heavy Metals | ICP-MS | 10/31/2026 | Pass |
| Microbiological | Petrifilm/qPCR | 10/31/2026 | Pass |
| Fentanyl | USP <2251> | 10/29/2026 | Pass |



Serving Size: N/A

## Label Claim Profile

| Analyte | Result | Specification | LOD |
|---|---|---|---|
| **5-Amino-1MQ** | Vial 1 = 51.81mg/vial | 50mg/vial | 0.1% |
| **5-Amino-1MQ** | Vial 2 = 51.58mg/vial | 50mg/vial | 0.1% |
| **Identity of the analyte was confirmed by retention time concordance with a certified reference standard, per USP <621>.** | | | |
| **Chromatographic Purity** | Vial 1 = >99% | >99% | 0.1% |
| **Chromatographic Purity** | Vial 2 = >99% | >99% | 0.1% |
| **Bacterial Endotoxins (Gel-Clot: 1:10 Dilution)** | <1.25 EU/ml | <5 EU/ml | λ = 0.125 EU/mL |
| **Rapid Sterility (Real-Time qPCR)** **Validated per USP <1223> in lieu of USP <71>** | No Microbial DNA/RNA Detected (Pass) | No Detection | 10 CFU |
| **Fentanyl** | Vial 1 = Not Detected | <LOD | 10ppm |
| **Fentanyl** | Vial 2 = Not Detected | <LOD | 10ppm |

NOTES: Lyophilized samples may include acceptable salts, sugars, or buffering agents added to improve solubility and stability. These excipients are non-chromophoric, typically not detected by HPLC, and are not considered impurities. Two vials were independently tested to evaluate batch consistency and vial-to-vial variability.

LOD = LIMIT OF DETECTION; LOQ = LIMIT OF QUANTIFICATION

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ISO/IEC 17025 Acc #: 117798

Noel Samsum
Laboratory Director
3-Nov-2026

The sample analyzed was inspected and is free from visual mold, mildew, and foreign matter. The testing procedures, equipment calibration, and maintenance are all in accordance with ISO/IEC 17025:2017 standards. The presented report is only applicable to the sample specified above and may not be applied to any similar or identical products. Reports are prohibited from being reproduced with alterations of any kind.

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ETHOS ANALYTICS

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## Heavy Metal Analysis (USP <233>)

| Analyte | Result (mcg/vial) | LOQ (ppm) | LOD (ppm) | Limit (mcg/day) | Pass/Fail |
|---|---|---|---|---|---|
| Arsenic | **0.003** | 0.010 | 0.005 | 0.5 | Pass |
| Cadmium | **<LOQ** | 0.010 | 0.005 | 0.1 | Pass |
| Lead | **0.009** | 0.010 | 0.005 | 0.5 | Pass |
| Mercury | **<LOQ** | 0.010 | 0.005 | 0.1 | Pass |

## Microbiological Analysis (USP <61>, USP <62>)

| Microbe | Result | Limit | Pass/Fail |
|---|---|---|---|
| Total Aerobic Plate | **<10 CFU/g** | <100 CFU/g | Pass |
| Coliform | **<10 CFU/g** | <10 CFU/g | Pass |
| Bile-Tolerant Gram-Negative Bacteria | **<10 CFU/g** | <10 CFU/g | Pass |
| Yeast and Mold | **<10 CFU/g** | <10 CFU/g | Pass |
| Escherichia Coli | **Negative/1g** | Negative/1g | Pass |
| Salmonella | **Negative/1g** | Negative/1g | Pass |
| Staphylococcus Aureus | **Negative/1g** | Negative/1g | Pass |

NOTES:

CFU = Colony Forming Unit
NS = Not Specified
NT = Not Tested

LOQ = Limit of Quantification
LOD = Limit of Detection

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