

## ILS Laboratories

8222 Vickers St, Suite 106, San Diego, CA 92111  
(619) 329-3999 | ils-lab.com

## Glutathione - 1500mg

**PASS**



**Tested for: NextGen Peptides**  
www.NGpeptide.com

COA #: COA-2026-AL\_NMH  
Lot Number: GLU-03  
Accession #: ACC-2026-2776  
Concentration: 1500mg  
Sample Matrix: Lyophilized

Method:  
Analysis Date: 05/23/2026  
Appearance: Good  
Volume: 10mL  
Received: 05/19/2026



Scan to verify  
authenticity at ils-lab.com

Identity

**Glutathione**

Purity

**98.40%**

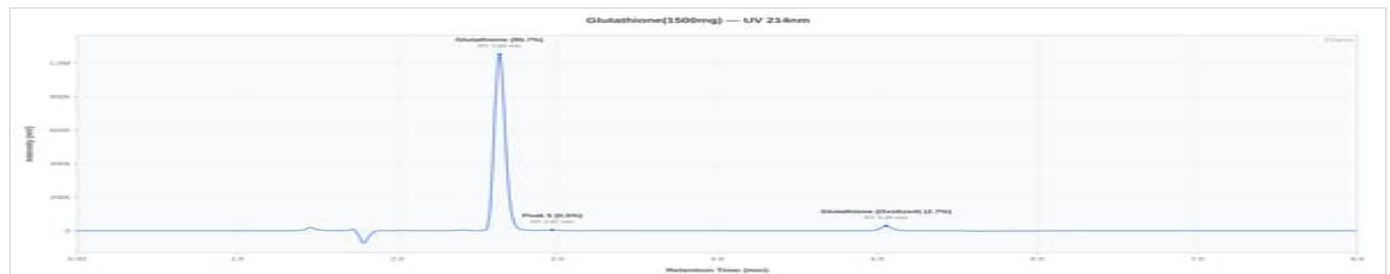


**Fentanyl  
Free**

### Purity & Quant (HPLC)

| Analyte             | Specification                | Result       | Unit | Status |
|---------------------|------------------------------|--------------|------|--------|
| Purity (HPLC)       | >= 95.0%                     | 98.40%       | %    | PASS   |
| Net Peptide Content | Report Only                  | 1529.73      | mg   | N/A    |
| Identity (ID)       | Gluthiaone                   | Confirmed    | -    | PASS   |
| Fentanyl Screen     | Immunoassay, 50 ng/mL cutoff | Not Detected | -    | PASS   |

### HPLC Chromatogram



Representative chromatogram, Conformity V3 (98.35% purity, closest to batch mean of 98.35%)



*Handwritten signature*

**Dr. Greg Kalyuzhny**  
Lab Director  
5/24/2026

COA #: COA-2026-AL\_NMH  
Access Code: IOCTD5N7  
Verify: <portal.ils-lab.com/verify/wwZFRsUcxfIMBBk->  
Issued: 5/24/2026

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### HPLC Conformity Testing Results (4 samples tested)

| Sample        | Purity  | NPC        | ID        | Result |
|---------------|---------|------------|-----------|--------|
| Dedicated V0  | 98.40%  | 1529.73 mg | Confirmed | PASS   |
| Conformity V1 | 98.39%  | 1555.1 mg  | Confirmed | PASS   |
| Conformity V2 | 98.26%  | 1514.43 mg | Confirmed | PASS   |
| Conformity V3 | 98.35%  | 1573.65 mg | Confirmed | PASS   |
| Mean          | 98.35%  | 1543.23 mg | —         | —      |
| Std Dev       | 0.0552% | 22.7923 mg | —         | —      |

### Heavy Metals Analysis (ICP-MS)

| Test          | Specification | Result       | Status |
|---------------|---------------|--------------|--------|
| Arsenic (As)  | NMT 1.5 ppm   | Not Detected | PASS   |
| Cadmium (Cd)  | NMT 0.5 ppm   | Not Detected | PASS   |
| Chromium (Cr) | NMT 10 ppm    | Not Detected | PASS   |
| Mercury (Hg)  | NMT 1.5 ppm   | Not Detected | PASS   |
| Lead (Pb)     | NMT 1 ppm     | Not Detected | PASS   |

### Sterility Testing (PCR)

| Test            | Specification | Result    | Status |
|-----------------|---------------|-----------|--------|
| Sterility (PCR) | No Growth     | No Growth | PASS   |

### Endotoxin Testing (USP <85>)

| Test                 | Specification | Result         | Status   |
|----------------------|---------------|----------------|----------|
| Endotoxin (USP <85>) | Report Result | NMT 0.05 EU/mL | Reported |

About this result: Endotoxin is reported as a quantitative value. Acceptable limits vary by product type and matrix, so no universal pass/fail threshold applies to RUO products. This result is below commonly referenced endotoxin thresholds.



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Lab Director  
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Verify: [portal.ils-lab.com/verify/wwZFRsUcxflMBBk-](http://portal.ils-lab.com/verify/wwZFRsUcxflMBBk-)  
Issued: 5/24/2026



# Certificate of Analysis

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### Purity & Quant (HPLC)



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## Notes & Methodology

1. Date Tested: 05/23/2026. Methods: Purity & Quant (HPLC).
2. The sample was confirmed to be Glutathione by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Elemental impurities analyzed by ICP-MS per USP <233> methodology. Acceptance criteria are internal laboratory quality screening limits for research-use materials and do not represent evaluation against any specific pharmacopeial monograph or product specification.
4. Endotoxin acceptance limits are product-specific. Results reported for client evaluation.
5. Chromatogram shown is representative: Conformity V3 (98.35% purity, closest to batch mean of 98.35%).



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Lab Director  
5/24/2026

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