

**ILS Laboratories**

8222 VickersSt, Suite106, San Diego, CA 92111  
(619) 329-3999


## IGF-1 LR3 - 1mg

Tested for: UPrime Labs

**PASS**

COA #: **COA-2026-TU3CYU**  
 Lot Number: **IGF0001**  
 Accession #: **ACC-2026-3688**  
 Labeled Content: **1mg**

Method: **Full QC Panel**  
 Analysis Date: **06/10/2026**  
 Appearance: **Good**  
 Sample Matrix: **Lyophilized**  
 Date Received: **06/01/2026**

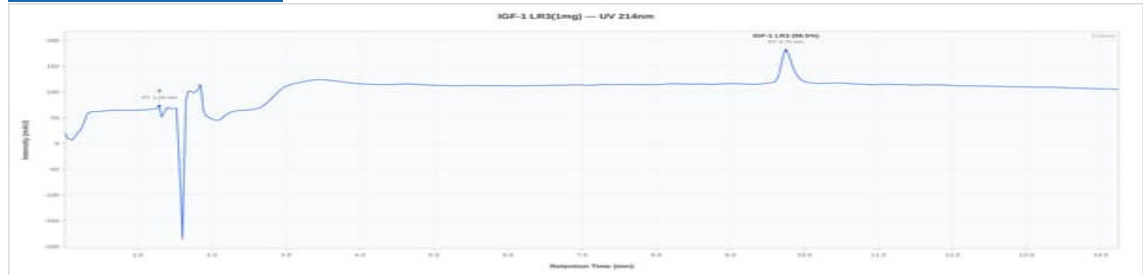
Identity **IGF-1 LR3** Peptide Purity **99.47%** 

### Blend Purity & Quant (HPLC)

| Analyte               | Specification                | Result       | Unit | Status |
|-----------------------|------------------------------|--------------|------|--------|
| Peptide Purity (HPLC) | >= 95.0%                     | 99.47%       | %    | PASS   |
| Net Peptide Content   | Report Only                  | 1.06         | mg   | N/A    |
| Identity (HPLC-RTM)   | IGF-1 LR3                    | Confirmed    | -    | PASS   |
| Fentanyl Screen       | Immunoassay, 50 ng/mL cutoff | Not Detected | -    | PASS   |



### HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.09% purity, closest to batch mean of 99.28%)

### HPLC Conformity Testing Results (2 samples tested)

| Sample        | Purity  | NPC       | ID        | Result |
|---------------|---------|-----------|-----------|--------|
| Dedicated V0  | 99.09%  | 1.03 mg   | Confirmed | PASS   |
| Conformity V1 | 99.47%  | 1.06 mg   | Confirmed | PASS   |
| Mean          | 99.28%  | 1.04 mg   | —         | —      |
| Std Dev       | 0.1900% | 0.0150 mg | —         | —      |



  
**Dr. Greg Kalyuzhny**  
 Lab Director  
 6/10/2026

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**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.

**Notes & Methodology**

1. Date Tested: 06/10/2026. Methods: Blend Purity & Quant (HPLC).
2. The sample was confirmed to be IGF-1 LR3 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 tested per USP <85> kinetic turbidimetric method. Acceptance criteria per client specification.
5. Peptide purity determined by RP-HPLC area normalization at 214 nm. Value represents the percentage of the target peptide relative to all peptide-related peaks. Non-peptide process-related impurities, if detected, are excluded from the calculation.
6. Chromatogram shown is representative: Dedicated V0 (99.09% purity, closest to batch mean of 99.28%).



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