# Certificate of Analysis

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

## NAD+ - 500mg

**Tested for: Glow Aminos**
www.glowaminos.com

**PASS**

| | | | |
|---|---|---|---|
| COA #: | **COA-2026-412879** | Method: | **Full QC Panel** |
| Lot Number: | **GL-010156** | Analysis Date: | **06/13/2026** |
| Accession #: | **ACC-2026-3954** | Appearance: | **Good** |
| Labeled Content: | **500mg** | Sample Matrix: | **Lyophilized** |
| | | Date Received: | **06/04/2026** |

Scan to verify authenticity at ils-lab.com
**Access Code: LAFMA4TE**

| Identity | Purity | |
|---|---|---|
| **NAD+** | **99.04%** | **Fentanyl Free** |

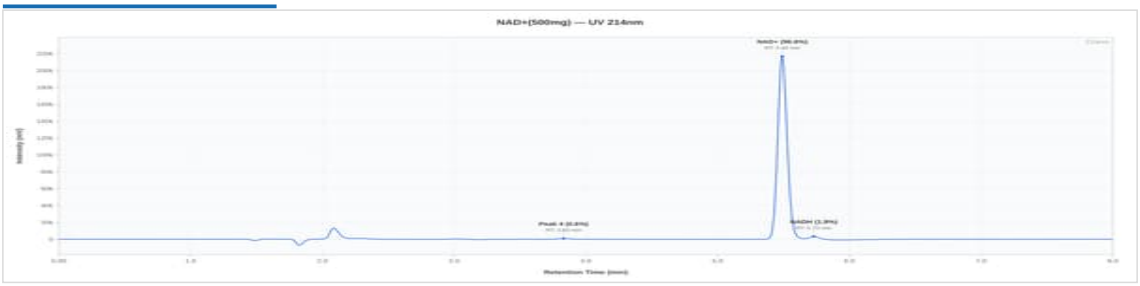


*NAD+ 500mg - GL-010156*

### Blend Purity & Quant (HPLC)

| Analyte | Specification | Result | Unit | Status |
|---|---|---|---|---|
| **Purity (HPLC)** | >= 95.0% | **99.04%** | % | **PASS** |
| **Net Peptide Content** | Report Only | **511.49** | mg | N/A |
| **Identity (HPLC-RTM)** | NAD+ | **Confirmed** | - | **PASS** |
| **Fentanyl Screen** | Immunoassay, 50 ng/mL cutoff | **Not Detected** | - | **PASS** |

### HPLC Chromatogram




*Representative chromatogram, Conformity V1 (98.96% purity, closest to batch mean of 98.97%)*

### HPLC Conformity Testing Results (3 samples tested)

| Sample | Purity | NPC | ID | Result |
|---|---|---|---|---|
| **Dedicated V0** | 99.04% | 511.49 mg | Confirmed | **PASS** |
| **Conformity V1** | 98.96% | 509.59 mg | Confirmed | **PASS** |
| **Conformity V2** | 98.91% | 521.06 mg | Confirmed | **PASS** |
| **Mean** | **98.97%** | **514.05 mg** | — | — |
| **Std Dev** | **0.0535%** | **5.0195 mg** | — | — |

**Dr. Greg Kalyuzhny**
Lab Director
6/13/2026

COA #: **COA-2026-412879**
Access Code: **LAFMA4TE**
Verify: portal.ils-lab.com/verify/a2H4G98t098NJT3A
Issued: 6/13/2026

## 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: 06/13/2026. Methods: Blend Purity & Quant (HPLC).
2. The sample was confirmed to be NAD+ 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. Purity determined by RP-HPLC area normalization at 214 nm.
6. Chromatogram shown is representative: Conformity V1 (98.96% purity, closest to batch mean of 98.97%).

**Dr. Greg Kalyuzhny**
Lab Director
6/13/2026

COA #: **COA-2026-412879**
Access Code: **LAFMA4TE**
Verify: portal.ils-lab.com/verify/a2H4G98t098NJT3A
Issued: 6/13/2026



ILS Laboratories | 8222 Vickers St, Suite 106, San Diego, CA 92111 | (619) 329-3999 | ils-lab.com
ISO/IEC 17025 Accredited | This certificate relates only to the items tested. Results shall not be reproduced except in full without written approval.