Certificate of Analysis

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

NAD+ - 500mg

PASS

Tested for: Crush Research
https://www.crushresearch.shop/

COA #:	**COA-2026-5JQ2CV**	Method:	**Full QC Panel**
Lot Number:	**CR-NAD500-2605-1**	Analysis Date:	**06/01/2026**
Accession #:	**ACC-2026-3294**	Appearance:	**Good**
Labeled Content:	**500mg**	Vial Size:	**10mL**
Sample Matrix:	**Lyophilized**	Date Received:	**05/27/2026**

Scan to verify authenticity at ils-lab.com
Access Code: B3EPMBDK

Identity	Purity	
NAD+	99.27%	Fentanyl Free

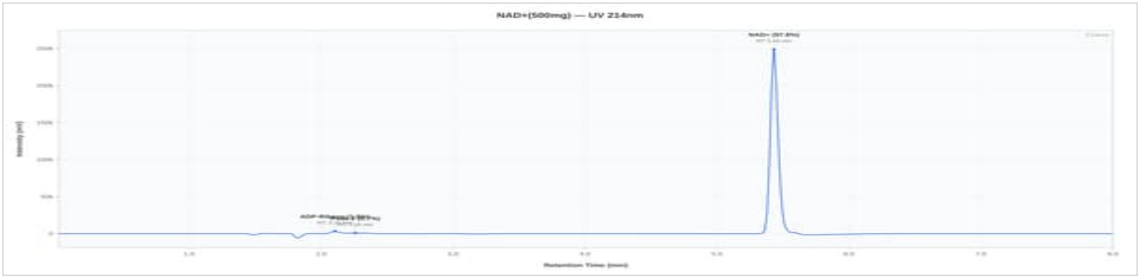


NAD+ 500mg - CR-NAD500-2605-1

Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.27%**	%	PASS
Net Peptide Content	Report Only	**531.19**	mg	N/A
Identity (HPLC-RTM)	NAD+	**Confirmed**	-	PASS
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	PASS

HPLC Chromatogram



Representative chromatogram, Dedicated V0 (99.18% purity, closest to batch mean of 99.22%)

HPLC Conformity Testing Results (2 samples tested)

Sample	Purity	NPC	ID	Result
Dedicated V0	99.18%	525.06 mg	Confirmed	PASS
Conformity V1	99.27%	531.19 mg	Confirmed	PASS
Mean	**99.22%**	**528.13 mg**	—	—
Std Dev	**0.0450%**	**3.0650 mg**	—	—

Dr. Greg Kalyuzhny
Lab Director
6/1/2026

COA #: COA-2026-5JQ2CV
Access Code: B3EPMBDK
Verify: portal.ils-lab.com/verify/u2hODIg0PcFmq5d8
Issued: 6/1/2026

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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: 06/01/2026. Methods: 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: Dedicated V0 (99.18% purity, closest to batch mean of 99.22%).

ilac-MRA PJLA Testing Accreditation No. 59423

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Lab Director
6/1/2026

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