Certificate of Analysis

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

NAD+ - 1000mg

Tested for: Voltera Sciences
www.VolteraSciences.com

PASS

Scan to verify authenticity at ils-lab.com
Access Code: E8Q8KWLR

COA #:	**COA-2026-45X0O4**	Analysis Date:	**06/12/2026**
Lot Number:	**NJ1000.05.28.2026**	Appearance:	**Good**
Accession #:	**ACC-2026-3700**	Vial Size:	**10mL**
Labeled Content:	**1000mg**	Date Received:	**06/01/2026**

Method: **Full QC Panel**

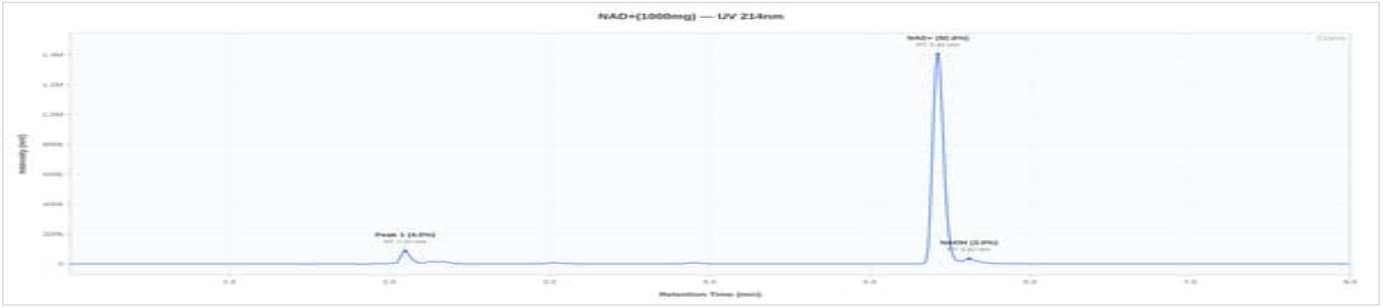
Identity	Purity	
NAD+	**99.52%**	**Fentanyl Free**

NAD+ 1000mg - NJ1000.05.28.2026

Full QC Panel

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.52%**	%	**PASS**
Net Peptide Content	Report Only	**1055.21**	mg	N/A
Identity (HPLC-RTM)	NAD+	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



NAD+ 1000mg - NJ1000.05.28.2026: UV Chromatogram

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**

Dr. Greg Kalyuzhny
Lab Director
7/7/2026

COA #: **COA-2026-45X0O4**
Access Code: **E8Q8KWLR**
Verify: portal.ils-lab.com/verify/gdCw4hDdg8XJ4aaE
Issued: 7/7/2026

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	**0.13 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: 06/12/2026. Methods: Full QC Panel.
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.

Dr. Greg Kalyuzhny
Lab Director
7/7/2026

COA #: **COA-2026-45X0O4**
Access Code: **E8Q8KWLR**
Verify: portal.ils-lab.com/verify/gdCw4hDdg8XJ4aaE
Issued: 7/7/2026

Certificate of Analysis

ILS Laboratories
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NAD+ - 500mg

Tested for: Voltera Sciences
www.volterasciences.com

PASS

Scan to verify authenticity at ils-lab.com
Access Code: 5K9XUH24

COA #:	**COA-2026-412844**	Analysis Date:	**06/12/2026**
Lot Number:	**NJ500.05.28.26**	Appearance:	**Good**
Accession #:	**ACC-2026-3701**	Vial Size:	**10mL**
Labeled Content:	**500mg**	Date Received:	**06/01/2026**

Method: **Full QC Panel**

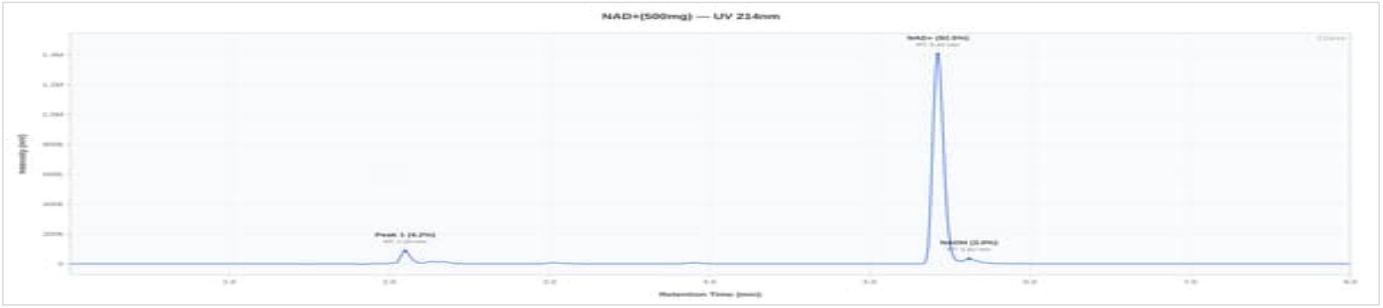
Identity	Purity	
NAD+	**99.74%**	**Fentanyl Free**

NAD+ 500mg - NJ500.05.28.26

Full QC Panel

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.74%**	%	**PASS**
Net Peptide Content	Report Only	**529.22**	mg	N/A
Identity (HPLC-RTM)	NAD+	**Confirmed**	-	**PASS**
Fentanyl Screen	Immunoassay, 50 ng/mL cutoff	**Not Detected**	-	**PASS**

HPLC Chromatogram



NAD+ 500mg - NJ500.05.28.26: UV Chromatogram

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**

Dr. Greg Kalyuzhny
Lab Director
6/18/2026

COA #: **COA-2026-412844**
Access Code: **5K9XUH24**
Verify: portal.ils-lab.com/verify/EH6bwD7iUdcrAiOF
Issued: 6/18/2026

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	**0.16 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: 06/12/2026. Methods: Full QC Panel.
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.

Dr. Greg Kalyuzhny
Lab Director
6/18/2026

COA #: **COA-2026-412844**
Access Code: **5K9XUH24**
Verify: portal.ils-lab.com/verify/EH6bwD7iUdcrAiOF
Issued: 6/18/2026

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

KOVERA LABS

CERTIFICATE OF ANALYSIS

REPORT # KVR-2026-01B126

Client: Voltera **Certified:** 05/14/2026

This Certificate of Analysis certifies that the sample listed herein was tested by Kovera Labs using validated analytical methods and was found to meet the stated specifications at the time of analysis.

SAMPLE INFORMATION

Product	NAD+	**Form**	Lyophilized powder
Batch	NAD.05.02.2026	**Labeled Qty**	500 mg
Mol. Formula	C21H27N7O14P2	**CAS Number**	53-84-9
Cap Color	Transparent	**Crimp Color**	Bronze

TEST RESULTS

	REFERENCE STANDARD	RESULT
Batch Avg Purity	(>98%)	99.862% ✓
Batch Avg Net Content	(500mg ± 10%)	517.42 mg ✓
Identity Confirmation (LC-MS)	(NAD+)	NAD+ ✓
Endotoxin Safety Screen	(≤0.5 EU/mL)	PASS ✓
Microbial Sterility Screen	(No Growth)	No Growth ✓

HEAVY METAL SCREENING

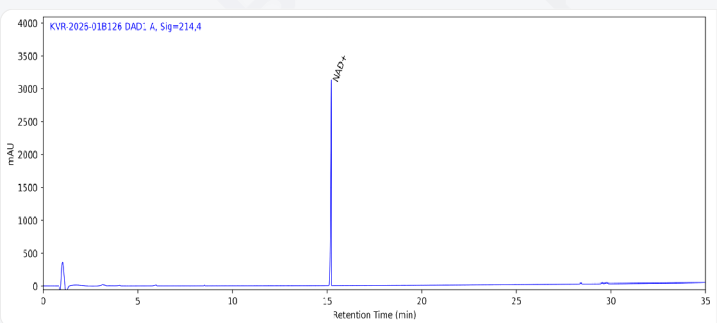
Analyte	Result	Status
Arsenic (As)	Negative	✓
Cadmium (Cd)	Negative	✓
Lead (Pb)	Negative	✓
Mercury (Hg)	Negative	✓

BATCH CONFORMITY RESULTS

Vial	Purity (%)	Net Content (mg)
Vial 1	99.856	515.71
Vial 2	99.867	519.13
Batch Average	**99.862%**	**517.42 mg**

CHROMATOGRAM

Method: RP-HPLC | Column: C18 | Detection: DAD @ 260 nm



Lemar Arghandiwal
Lab Director

koveralabs.com/verify

Report#: KVR-2026-01B126
Access Code: I46PSS3

Certificate of Analysis

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

NAD+ - 1000mg

PASS

Tested for: Voltera Sciences
www.VolteraSciences.com

COA #:	**COA-2026-412597**	Method:	**Full QC Panel**
Lot Number:	**NAD1.05.15.2026**	Analysis Date:	**05/08/2026**
Accession #:	**ACC-2026-1994**	Appearance:	**Good**
Concentration:	**1000mg**	Volume:	**10mL**
Sample Matrix:	**Lyophilized**	Received:	**05/05/2026**

Scan to verify authenticity at ils-lab.com

Identity	Purity
NAD+	99.63%

NAD+ 1000mg - NAD1.05.15.2026

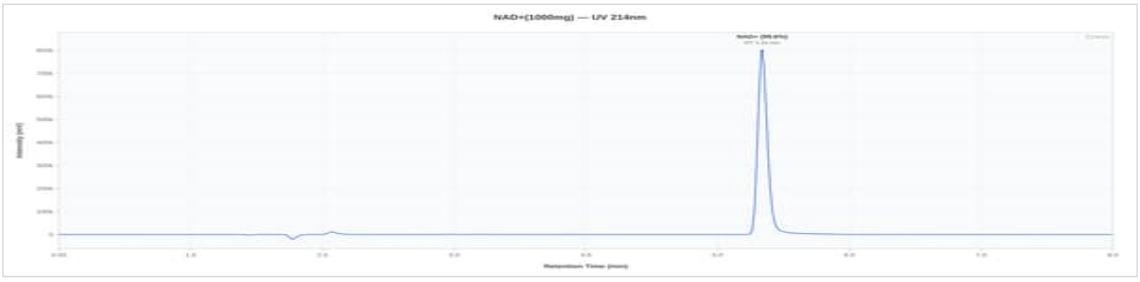
Purity & Quant (HPLC)

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.63%**	%	PASS
Net Peptide Content	Report Only	**1053.89**	mg	N/A
Identity (ID)	NAD+	**Confirmed**	-	PASS

Heavy Metals (ICP-MS)

Analyte	Specification	Result	Unit	Status
Heavy Metals				
Arsenic (As)	<= 1.5 ppm	**0.1323 ppm**	ppm	PASS
Cadmium (Cd)	<= 0.5 ppm	**Not Detected**	ppm	PASS
Lead (Pb)	<= 1 ppm	**Not Detected**	ppm	PASS
Mercury (Hg)	<= 1.5 ppm	**Not Detected**	ppm	PASS
Chromium (Cr)	<= 10 ppm	**0.15 ppm**	ppm	PASS

HPLC Chromatogram



NAD+ 1000mg - NAD1.05.15.2026: UV Chromatogram

Dr. Greg Kalyuzhny
Lab Director
5/19/2026

COA #: **COA-2026-412597**
Access Code: **2LY9G-U0**
Verify: portal.ils-lab.com/verify/zHMZNt3ia-vNWrzX
Issued: 5/19/2026

Certificate of Analysis

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NAD+ - 1000mg

PASS

Tested for: Voltera Sciences
www.VolteraSciences.com

COA #:	**COA-2026-412597**	Method:	**Full QC Panel**
Lot Number:	**NAD1.05.15.2026**	Analysis Date:	**05/08/2026**
Accession #:	**ACC-2026-1994**	Appearance:	**Good**
Concentration:	**1000mg**	Volume:	**10mL**
Sample Matrix:	**Lyophilized**	Received:	**05/05/2026**

Scan to verify authenticity at ils-lab.com

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	**0.087 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: 05/19/2026. Methods: Purity & Quant (HPLC); Heavy Metals (ICP-MS).
2. The sample was confirmed to be NAD+ by HPLC. Identification by chromatographic retention time comparison with a reference standard.
3. Endotoxin acceptance limits are product-specific. Results reported for client evaluation.

Dr. Greg Kalyuzhny
Lab Director
5/19/2026

COA #: **COA-2026-412597**
Access Code: **2LY9G-U0**
Verify: portal.ils-lab.com/verify/zHMZNt3ia-vNWrzX
Issued: 5/19/2026