Certificate of Analysis

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

WOLVERINE - 5mg/5mg

PASS

Tested for: Southern Aminos
31938 Temecula Pkwy, Suite A PMB #361 Temecula, CA 92592 | www.southernaminos.com

COA #:	**COA-2026-ZSADIL**	Method:	**Full QC Panel**
Lot Number:	**WV100426J**	Analysis Date:	**04/16/2026**
Concentration:	**5mg/5mg**	Appearance:	**Good**
Sample Matrix:	**Lyophilized**	Volume:	**3mL**
Received:	**04/09/2026**		

Scan to verify authenticity at ils-lab.com

Identity	Purity
WOLVERINE	**99.78%**



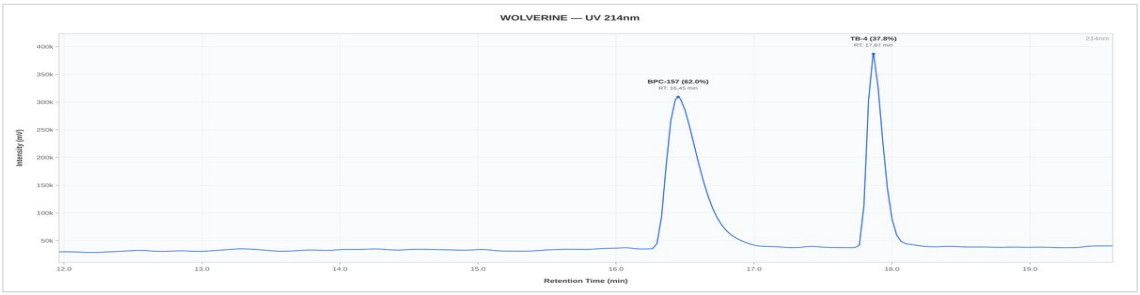
WOLVERINE 5mg/5mg - WV100426J

Full QC Panel

Analyte	Specification	Result	Unit	Status
Purity (HPLC)	>= 95.0%	**99.78%**	%	**PASS**
Net Blend Peptide Content	Report Only	**10.48**	mg	N/A
Identity (ID)	BPC-157; TB-4	**Confirmed**	-	**PASS**
Sterility (PCR)	No Growth	**No Growth**	-	**PASS**
Endotoxin (USP <85>)	< 0.05 EU/mL	**NMT 0.05 EU/mL**		**PASS**

Date Tested: 04/16/2026 | Method: Full QC Panel

HPLC Chromatogram



Representative chromatogram, Conformity V4 (99.69% purity, closest to batch mean of 99.70%)

The sample was confirmed to be WOLVERINE by HPLC. Identification by chromatographic retention time comparison with a reference standard.

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ils-lab.com

Dr. Greg Kalyuzhny
Lab Director
4/16/2026

COA #: **COA-2026-ZSADIL**
Access Code: **9TEHJMXA**
Verify: portal.ils-lab.com/verify/9trBT0O58Tk1JgUq
Issued: 4/16/2026

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WOLVERINE - 5mg/5mg

PASS

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COA #:	**COA-2026-ZSADIL**	Method:	**Full QC Panel**
Lot Number:	**WV100426J**	Analysis Date:	**04/16/2026**
Concentration:	**5mg/5mg**	Appearance:	**Good**
Sample Matrix:	**Lyophilized**	Volume:	**3mL**
Received:	**04/09/2026**		

Scan to verify authenticity at ils-lab.com

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**

Elemental impurities analyzed by Inductively Coupled Plasma Mass Spectrometry (ICP-MS) per USP <233> methodology.

Conformity Testing Results (8 samples tested)

Sample	Purity	Net Content	ID	Result
Dedicated V0	99.78%	10.48 mg	Confirmed	**PASS**
Conformity V1	99.77%	10.48 mg	Confirmed	**PASS**
Conformity V2	99.82%	10.48 mg	Confirmed	**PASS**
Conformity V3	99.81%	10.48 mg	Confirmed	**PASS**
Conformity V4	99.69%	10.47 mg	Confirmed	**PASS**
Conformity V5	99.69%	10.47 mg	Confirmed	**PASS**
Conformity V6	99.61%	10.46 mg	Confirmed	**PASS**
Conformity V7	99.47%	10.44 mg	Confirmed	**PASS**
Mean	**99.70%**	**10.47 mg**	—	—
Std Dev	**0.1111%**	**0.0132 mg**	—	—

Representative chromatogram, Conformity V4 (99.69% purity, closest to batch mean of 99.70%)

Certificate Change History — **ILS QA**

Revision 1 – reissued October 30, 2026
Certificate statement updated. Test results are unchanged. Supersedes the original issued 04/16/2026.

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Dr. Greg Kalyuzhny
Lab Director
4/16/2026

COA #: **COA-2026-ZSADIL**
Access Code: **9TEHJMXA**
Verify: portal.ils-lab.com/verify/9trBT0O58Tk1JgUq
Issued: 4/16/2026

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Quality System: ILS Laboratories operates an ISO/IEC 17025 quality management system. This certificate relates only to the sample(s) tested.