

CERTIFICATE OF ANALYSIS

* FOR QUALITY ASSURANCE PURPOSES. NOT A MICHIGAN COMPLIANCE CERTIFICATE.

PRODUCED: MAR 12, 2026

SAMPLE: TRAINWRECK (LEAF) // CLIENT: EXPERT BOTANICAL // BATCH: PASS



BATCH NO.: 112182506
MATRIX: LEAF
CATEGORY: RAW PLANT MATERIAL
SAMPLE ID: CL-090326-010
COLLECTED ON: MAR 09, 2026
RECEIVED ON: MAR 09, 2026
BATCH/SAMPLE SIZE: 60 G / 60 G
RECEIVED BY: ADELYN BOUTELL

ALKALOID OVERVIEW

MITRAGYNINE:	1.136 %
7-OH-MITRAGYNINE:	0.033 %
TOTAL ALKALOIDS:	1.856 %

BATCH RESULT: PASS

ALKALOIDS	TESTED
METALS	TESTED
MICROBIAL	TESTED
MOISTURE	TESTED



PER ISO 17025, THIS REPORT ONLY CONTAINS AND CONCERNS THE SAMPLES LISTED WITHIN THIS DOCUMENT. SAMPLES WERE SAMPLED AND TESTED IN ACCORDANCE WITH THE SAFETY COMPLIANCE FACILITY SAMPLING AND TESTING INFORMATION PROVIDED BY THE STATE OF MICHIGAN.

RESULTS CERTIFIED BY: JALEN WILLIAMS
LAB MANAGER, SC LABS
MAR 12, 2026

KRATOM POTENCY (AS RECEIVED) // MAR 11, 2026

ANALYTE	LOD/LOQ (ppm)	AMT (%)	PASS/FAIL
MITRAGYNINE *	2.7900000/8.4500000	1.136	N/A
PAYNANTHEINE *	2.6300000/7.9800000	0.207	N/A
SPECIOGYNINE *	2.6500000/8.0400000	0.169	N/A
MITRAPHYLLINE *	3.2700000/9.9100000	ND	N/A
MITRACILIATINE *	2.6700000/8.1000000	0.033	N/A

* BEYOND SCOPE OF ACCREDITATION

KRATOM POTENCY (DRY WEIGHT) // MAR 11, 2026

ANALYTE	LOD/LOQ (ppm)	AMT (%)	PASS/FAIL
MITRAGYNINE *	2.7900000/8.4500000	1.145	N/A
PAYNANTHEINE *	2.6300000/7.9800000	0.209	N/A
SPECIOGYNINE *	2.6500000/8.0400000	0.171	N/A
MITRAPHYLLINE *	3.2700000/9.9100000	ND	N/A
MITRACILIATINE *	2.6700000/8.1000000	0.033	N/A

* BEYOND SCOPE OF ACCREDITATION

7-OH MITRAGYNINE (ON A DRY-WEIGHT BASIS) // MAR 11, 2026

ANALYTE	LOD/LOQ (ppm)	AMT (ppm)	PASS/FAIL
7-OH-MITRAGYNINE *	3.1800000/9.6500000	340	N/A

* BEYOND SCOPE OF ACCREDITATION

LOSS ON DRYING // MAR 11, 2026

ANALYTE	LIMIT	AMT (%)	PASS/FAIL
MOISTURE *		0.802	N/A

* BEYOND SCOPE OF ACCREDITATION

CL-07: COLIFORMS // MAR 10, 2026

ANALYTE	LOD/LOQ (CFU/g)	LIMIT	AMT (CFU/g)	PASS/FAIL
COLIFORMS *			0	N/A

* BEYOND SCOPE OF ACCREDITATION

CL-07: ASPERGILLUS BY QPCR // MAR 11, 2026

ANALYTE	LOD/LOQ	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS SPP. *			ND	N/A
ASPERGILLUS NIGER *			ND	N/A
ASPERGILLUS FLAVUS *			ND	N/A

* BEYOND SCOPE OF ACCREDITATION

CL-07: E. COLI AND SALMONELLA BY QPCR // MAR 11, 2026

ANALYTE	LOD/LOQ	LIMIT	AMT (CFU/g)	PASS/FAIL
SALMONELLA SPP. *			ND	N/A

* BEYOND SCOPE OF ACCREDITATION

CL-07: TOTAL YEAST & MOLD // MAR 12, 2026

ANALYTE	LOD/LOQ (CFU/g)	LIMIT	AMT (CFU/g)	PASS/FAIL
YEAST & MOLD *			0	N/A

* BEYOND SCOPE OF ACCREDITATION

CL-06: HEAVY METAL ANALYSIS BY ICP-MS // MAR 10, 2026

ANALYTE	LOD/LOQ (ppm)	LIMIT	AMT (ppm)	PASS/FAIL
LEAD *	0.0020000/0.0050000		ND	N/A
COPPER *	0.1380000/0.2960000		ND	N/A
NICKEL *	0.0680000/0.1960000		ND	N/A
ARSENIC *	0.0060000/0.0160000		ND	N/A

* BEYOND SCOPE OF ACCREDITATION

ANALYTE	LOD/LOQ (ppm)	AMT (%)	PASS/FAIL
CORYNANTHEIDINE *	2.6500000/8.0400000	0.042	N/A
ISOPAYNANTHEINE *	2.5500000/7.7300000	0.026	N/A
SPECIOCILIATINE *	2.6000000/7.8800000	0.194	N/A
7-OH-MITRAGYNINE *	3.1800000/9.6500000	0.033	N/A
MITRAGYNINE PSEUDOINDOXYL *	2.9100000/8.8200000	ND	N/A

ANALYTE	LOD/LOQ (ppm)	AMT (%)	PASS/FAIL
CORYNANTHEIDINE *	2.6500000/8.0400000	0.043	N/A
ISOPAYNANTHEINE *	2.5500000/7.7300000	0.026	N/A
SPECIOCILIATINE *	2.6000000/7.8800000	0.195	N/A
7-OH-MITRAGYNINE *	3.1800000/9.6500000	0.034	N/A
MITRAGYNINE PSEUDOINDOXYL *	2.9100000/8.8200000	ND	N/A

ANALYTE	LOD/LOQ	LIMIT	AMT (CFU/g)	PASS/FAIL
ASPERGILLUS TERREUS *			ND	N/A
ASPERGILLUS FUMIGATUS *			ND	N/A

ANALYTE	LOD/LOQ	LIMIT	AMT (CFU/g)	PASS/FAIL
SHIGA TOXIN-PRODUCING E. COLI *			ND	N/A

ANALYTE	LOD/LOQ (ppm)	LIMIT	AMT (ppm)	PASS/FAIL
CADMIUM *	0.0020000/0.0060000		ND	N/A
MERCURY *	0.0269000/0.0600000		ND	N/A
CHROMIUM *	0.0940000/0.2800000		ND	N/A



