

CERTIFICATE OF ANALYSIS



SAMPLE NAME: BOTANICAL LEAF GREEN
SAMPLE CODE: DTS-250203-039
CLIENT: OLIVE BRANCH DISTRIBUTION
BATCH RESULT: PASS

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MATRIX NAME: Leaf
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Tue, Feb 4, 2025
PUBLISHED DATE: Mon, Feb 10, 2025
BATCH/LOT CODE: BG013125
BATCH SIZE: N/A
SAMPLE SIZE: 1U

MITRAGYNINE 1.0436 %

TOTAL MAJOR ALKALOIDS 1.6335 %

TOTAL MINOR ALKALOIDS 0.00337 %

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

SAL ✓
Salmonella
25g qPCR

ECOLI ✓
Total E. Coli & Coliforms
Plate

TAMC ✓
Total Aerobic Bacteria
Plate

HVMET ✓
Heavy Metals
4

TYMFD ✓
Total Yeast & Mold
Plate

APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Monday, Feb 10, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Monday, Feb 10, 2025

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ALKU	KRATOM ALKALOIDS - HIGH LEVEL					
	LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250203-039-02 - MON, FEB 10, 2025					
ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	1.0436 %	10.436 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.239 %	2.39 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.2211 %	2.211 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciognine	0.1298 %	1.298 mg/g	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	1.6335 %	16.335 mg/g	N/A			N/A

ALKL	KRATOM ALKALOIDS - LOW LEVEL					
	LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ					
	ALKL-DTS-250203-039-01 - FRI, FEB 7, 2025					
ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00335 %	0.034 mg/g	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00002 %	0 mg/g	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00337 %	0.034 mg/g	N/A	0.006 ug/g	0.03 ug/g	N/A



SAL	SALMONELLA - 25G QPCR				
	LAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS				
	SAL-DTS-250203-039-01 - THU, FEB 6, 2025				
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A	N/A	N/A	N/A



ECOLI	TOTAL E. COLI & COLIFORMS - PLATE					
	LAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS					
	ECOLI-DTS-250203-039-01 - THU, FEB 6, 2025					
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS	
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N/A	
Total Coliforms	40 CFU/g	N/A	10 CFU/g	10 CFU/g	N/A	



TAMC	TOTAL AEROBIC BACTERIA - PLATE				
	LAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS TAMC-DTS-250203-039-01 - THU, FEB 6, 2025				
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	3300 CFU/g	N/A	100 CFU/g	100 CFU/g	N/A



HVMET

HEAVY METALS - 4

LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS

HVMET-DTS-250203-039-01 - THU, FEB 6, 2025



ANALYTE	VALUE	VALUE (MG/G)	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	0.013 ug/g	0 mg/g	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Lead	0.113 ug/g	0 mg/g	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0.015 ug/g	0 mg/g	N/A	0.017 ug/kg	0.057 ug/kg	N/A

TYMFD

TOTAL YEAST & MOLD - PLATE

LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS

TYMFD-DTS-250203-039-01 - FRI, FEB 7, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	290 CFU/g	N/A	100 CFU/g	100 CFU/g	N/A

