

CERTIFICATE OF ANALYSIS



SAMPLE NAME: LIQUID EXTRACT
SAMPLE CODE: DTS-250131-023
CLIENT: KR8OM
BATCH RESULT: PASS

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MATRIX NAME: Extract - Liquid
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Mon, Feb 3, 2025
PUBLISHED DATE: Fri, Feb 7, 2025
BATCH/LOT CODE: FL012525JB09
BATCH SIZE: 189L
SAMPLE SIZE: 45mL
AVERAGE UNIT WEIGHT: 16.6095g (Density (1.1073 g/mL) x 15mL package. 3 servings/package.)

MITRAGYNINE 27.43 mg / serv

TOTAL MAJOR ALKALOIDS 48.54 mg / serv

TOTAL MINOR ALKALOIDS 0.00 mg / serv

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

ECOLI ✓
Total E. Coli & Coliforms
Plate

TAMC ✓
Total Aerobic Bacteria
Plate

HVMET ✓
Heavy Metals
4

TYMFD ✓
Total Yeast & Mold
Plate

FTIRR ✓
Identification by FTIR
Report

APPROVALS

RESULTS REVIEWED BY:

Leslie Varela
Laboratory Director

Cambium Analytica
Friday, Feb 7, 2025

RESULTS CERTIFIED BY:

Douglas Smith
VP - Scientific Operations

Cambium Analytica
Friday, Feb 7, 2025

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ALKU	KRATOM ALKALOIDS - HIGH LEVEL							
	LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-250131-023-02 - FRI, FEB 7, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.4954 %	4.954 mg/g	27.43 mg	82.28 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.1818 %	1.818 mg/g	10.07 mg	30.20 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.1239 %	1.239 mg/g	6.86 mg	20.58 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.0756 %	0.756 mg/g	4.19 mg	12.56 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.8767 %	8.767 mg/g	48.54 mg	145.62 mg	N/A	N/A	N/A	N/A

ALKL	KRATOM ALKALOIDS - LOW LEVEL							
	LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ ALKL-DTS-250131-023-01 - THU, FEB 6, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00008 %	0.001 mg/g	0.00 mg	0.01 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0 %	0 mg/g	0.00 mg	0.00 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00008 %	0.001 mg/g	0.00 mg	0.01 mg	N/A	0.006 ug/g	0.03 ug/g	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-250131-023-01 - WED, FEB 5, 2025							
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS			
E. coli	ND	N/A	10 CFU/g	10 CFU/g	N/A			
Total Coliforms	ND	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-250131-023-01 - WED, FEB 5, 2025							
ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS			
Total Aerobic Count	ND	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-250131-023-01 - THU, FEB 6, 2025							
ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	N/A	N/A	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	0.002 ug/g	0 mg/g	0.01 ug	0.03 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Lead	0.006 ug/g	0 mg/g	0.03 ug	0.10 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury	0 ug/g	0 mg/g	0.00 ug	0.01 ug	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-250131-023-01 - THU, FEB 6, 2025

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

FTIRR

IDENTIFICATION BY FTIR - REPORT

NULL IDENTIFICATION BY FTIR

FTIRR-DTS-250131-023-01 - FRI, FEB 7, 2025

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	98.4 %	N/A	N/A	N/A	N/A

Liquid Extract

