

CERTIFICATE OF ANALYSIS

SAMPLE NAME: ENHANCED POWDER

SAMPLE CODE: DTS-240827-019

CLIENT: KR80M

BATCH RESULT: N/A



1230 Woodmere Ave,
Traverse City, MI 49686
231.252.3669
cambiumanalytica.com

MATRIX NAME: Botanical Powder - Plant
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Fri, Aug 30, 2024
PUBLISHED DATE: Mon, Sep 09, 2024
BATCH/LOT CODE: 24RM0807FC-Reserve
BATCH SIZE: 24000 g
SAMPLE SIZE: 50 g
AVERAGE UNIT WEIGHT: 0.715 g (1 capsule)

TOTAL MAJOR ALKALOIDS 113.17 mg/ serv

MITRAGYNINE 65.31 mg/ serv



ALKU Kratom Alkaloids High Level	ECOLI Total E. Coli & Coliforms Plate	TAMC Total Aerobic Bacteria Plate	SS Salmonella & STEC- qPCR	HVMET Heavy Metals 4
	TYMFD Total Yeast & Mold Plate	PSEUD Pseudomonas aeruginosa Plate	FTIRA Identification by FTIR Library Reference	

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Mon, Sep 09, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Mon, Sep 09, 2024

This report may not be reproduced except in full without approval from Cambium Analytica. The results herein relate only to the sample & batch identified in this report.



ALKU	KRATOM ALKALOIDS - HIGH LEVEL							
	LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD ALKU-DTS-240827-019-04 - WED, SEP 04, 2024							
ANALYTE	VALUE	VALUE (MG)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	9.138 %	91.38 mg/g	65.31 mg	65.31 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	3.013 %	30.133 mg/g	21.54 mg	21.54 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	2.351 %	23.511 mg/g	16.8 mg	16.8 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	1.332 %	13.323 mg/g	9.52 mg	9.52 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	15.835 %	158.347 mg/g	113.17 mg	113.17 mg	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-240827-019-01 - TUE, AUG 27, 2024					
ANALYTE		VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli		ND CFU/g	N/A	10 CFU/g	10 CFU/g	N/A
Total Coliforms		ND 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-240827-019-01 - TUE, AUG 27, 2024					
ANALYTE		VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count		ND	N/A	100 CFU/g	100 CFU/g	N/A



SS	SALMONELLA & STEC- QPCR					
	LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR					
	SS-DTS-240827-019-01 - TUE, AUG 27, 2024					
ANALYTE		VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp		ND	N/A	N/A	N/A	N/A
Shiga Toxin Producing E. coli		ND	N/A	N/A	N/A	N/A



HVMET		HEAVY METALS - 4							
		LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS							
		HVMET-DTS-240827-019-01 - TUE, AUG 27, 2024							
ANALYTE		VALUE	VALUE (MG)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic		0.091 ug/g	0 mg/g	0.06 ug	0.06 ug	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Cadmium		0.015 ug/g	0 mg/g	0.01 ug	0.01 ug	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Lead		0.406 ug/g	0 mg/g	0.29 ug	0.29 ug	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Mercury		0.007 ug/g	0 mg/g	0.01 ug	0.01 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A



TYMFD	TOTAL YEAST & MOLD - PLATE					
	LAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS TYMFD-DTS-240827-019-01 - TUE, AUG 27, 2024					
ANALYTE		VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold		ND	N/A	10 CFU/g	10 CFU/g	N/A

PSEUD	PSEUDOMONAS AERUGINOSA - PLATE					
	LAB-TM-088 - DETECTION OF PRESUMPTIVE PSEUDOMONAS AERUGINOSA PSEUD-DTS-240827-019-01 - TUE, AUG 27, 2024					
ANALYTE		VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Pseudomonas aeruginosa		ND	N/A	1 CFU/g	1 CFU/g	N/A



FTIRA

IDENTIFICATION BY FTIR - LIBRARY REFERENCE
NA - IDENTIFICATION BY FTIR - LIBRARY REFERENCE
FTIRA-DTS-240827-019-01 - TUE, AUG 27, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Library Reference Addition	Confirmed	N/A	N/A	N/A	N/A

