

CERTIFICATE OF ANALYSIS



SAMPLE NAME: MIT45 GOLD CAP

SAMPLE CODE: DTS-240904-027

CLIENT: MIT45

BATCH RESULT: PASS

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License #:



MATRIX NAME: Pill - Capsule
SAMPLE TYPE: Quality Assurance
RECEIVED DATE: Thu, Sep 5, 2024
PUBLISHED DATE: Thu, Sep 12, 2024
BATCH/LOT CODE: 271189
BATCH SIZE: 12U
SAMPLE SIZE: 72U
AVERAGE UNIT WEIGHT: 0.7283g (1 capsule. 12 servings/package.)

MITRAGYNE	73.96 mg / serv
TOTAL MAJOR ALKALOIDS	105.36 mg / serv
TOTAL MINOR ALKALOIDS	0.27 mg / serv

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
SAUR Staphylococcus aureus Plate	HVMET Heavy Metals 4	TYMFD Total Yeast & Mold Plate	FTIRR Identification by FTIR Report	

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Thursday, Sep 12, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Thursday, Sep 12, 2024

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ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-240904-027-05 - WED, SEP 11, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	10.155 %	101.550 mg/g	73.96 mg	887.51 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	2.023 %	20.226 mg/g	14.73 mg	176.77 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	1.306 %	13.065 mg/g	9.52 mg	114.18 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogygine	0.982 %	9.824 mg/g	7.15 mg	85.86 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	14.466 %	144.665 mg/g	105.36 mg	1264.31 mg	N/A			N/A

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.03665 %	0.36654 mg/g	0.27 mg	3.20 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	0.00016 %	0.00156 mg/g	0.00 mg	0.01 mg	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.03681 %	0.36810 mg/g	0.27 mg	3.22 mg	N/A	0.006 ug/g	0.03 ug/g	N/A

SAL

SALMONELLA - 25G QPCRLAB-TM-063 - DETECTION AND ISOLATION OF SALMONELLA SPP. IN FOODS AND DIETARY SUPPLEMENTS
SAL-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	Detection			PASS

ECOLI

TOTAL E. COLI & COLIFORMS - PLATELAB-TM-059 - ENUMERATION OF ESCHERICHIA COLI AND TOTAL COLIFORM IN FOODS AND DIETARY SUPPLEMENTS
ECOLI-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	ND	Detection	10 CFU/g	10 CFU/g	PASS
Total Coliforms	ND	1000 CFU/g	10 CFU/g	10 CFU/g	PASS

TAMC

TOTAL AEROBIC BACTERIA - PLATELAB-TM-060 - ENUMERATION OF TOTAL AEROBIC COUNT IN FOODS AND DIETARY SUPPLEMENTS
TAMC-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	ND	10000 CFU/g	100 CFU/g	100 CFU/g	PASS

SAUR

STAPHYLOCOCCUS AUREUS - PLATELAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS
SAUR-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	Detection	10 CFU/g	10 CFU/g	PASS



HVMET

HEAVY METALS - 4LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HVMET-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.009 ug/g	N/A	0.01 ug	0.08 ug	1 ug/g	0.282 ug/kg	0.282 ug/kg	PASS
Cadmium	0.014 ug/g	N/A	0.01 ug	0.12 ug	1 ug/g	0.627 ug/kg	2.091 ug/kg	PASS
Lead	0.518 ug/g	N/A	0.38 ug	4.53 ug	3 ug/g	0.155 ug/kg	0.515 ug/kg	PASS
Mercury	0.003 ug/g	N/A	0.00 ug	0.03 ug	1 ug/g	0.082 ug/kg	0.272 ug/kg	PASS

TYMFD

TOTAL YEAST & MOLD - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	ND	N/A	10 CFU/g	10 CFU/g	N/A

FTIRR

IDENTIFICATION BY FTIR - REPORTNULL IDENTIFICATION BY FTIR
FTIRR-DTS-240904-027-01 - WED, SEP 4, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Quality Index Score	99.98 %	95-100 N/A			PASS

