

CERTIFICATE OF ANALYSIS

SAMPLE NAME: CITRUS SUNSET

SAMPLE CODE: DTS-240726-005

CLIENT: TEA TIME

BATCH RESULT: PASS



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

MATRIX NAME: Beverage
SAMPLE TYPE: Compliance
RECEIVED DATE: Wed, Jul 31, 2024
PUBLISHED DATE: Tue, Aug 6, 2024
BATCH/LOT CODE: N/A
BATCH SIZE: N/A
SAMPLE SIZE: 2U
AVERAGE UNIT WEIGHT: 353.27g (1 can)

TOTAL MAJOR ALKALOIDS	50.16 mg/ serv
TOTAL MINOR ALKALOIDS	ND
MITRAGYNINE	36.74 mg/ serv



ALKU Kratom Alkaloids High Level	ALKL Kratom Alkaloids Low Level	ECOLI Total E. Coli & Coliforms Plate	TAMC Total Aerobic Bacteria Plate	SS Salmonella & STEC qPCR
SAUR Staphylococcus aureus Plate	TYMFD Total Yeast & Mold Plate	HPMET Heavy Metals 7		

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Tuesday, Aug 6, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Tuesday, Aug 6, 2024

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ALKU

KRATOM ALKALOIDS - HIGH LEVEL

LAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD

ALKU-DTS-240726-005-04 - FRI, AUG 2, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.010 %	0.104 mg/g	36.74 mg	36.74 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.002 %	0.015 mg/g	5.30 mg	5.30 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.002 %	0.016 mg/g	5.65 mg	5.65 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.001 %	0.007 mg/g	2.47 mg	2.47 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.014 %	0.142 mg/g	50.16 mg	50.16 mg	N/A			N/A

ALKL

KRATOM ALKALOIDS - LOW LEVEL

LAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ

ALKL-DTS-240726-005-01 - FRI, JUL 26, 2024



ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	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-240726-005-01 - FRI, JUL 26, 2024



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-240726-005-01 - FRI, JUL 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	100 CFU/g	N/A	100 CFU/g	100 CFU/g	N/A

SS

SALMONELLA & STEC- QPCR

LAB-TM-006 - MICROBIAL ANALYSIS BY QPCR

SS-DTS-240726-005-01 - FRI, JUL 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Salmonella Spp	ND	N/A			N/A
Shiga Toxin Producing E. coli	ND	N/A			N/A

SAUR

STAPHYLOCOCCUS AUREUS - PLATE

LAB-TM-062 - ENUMERATION OF STAPHYLOCOCCUS AUREUS IN FOODS AND DIETARY SUPPLEMENTS

SAUR-DTS-240726-005-01 - FRI, JUL 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
S. aureus	ND	N/A	10 CFU/g	10 CFU/g	N/A



TYMFD

TOTAL YEAST & MOLD - PLATE

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

TYMFD-DTS-240726-005-01 - FRI, JUL 26, 2024

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

HPMET

HEAVY METALS - 7

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

HPMET-DTS-240726-005-01 - FRI, JUL 26, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	ND	N/A	0.198 ug/kg	0.662 ug/kg	N/A
Cadmium	ND	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	0.008 ug/g	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	ND	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	ND	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Mercury	ND	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.015 ug/g	N/A	0.321 ug/kg	1.071 ug/kg	N/A

