

CERTIFICATE OF ANALYSIS

SAMPLE NAME: MITRA9 - SHOT CRISP APPLE

SAMPLE CODE: DTS-240202-002

CLIENT: MITRA9

BATCH RESULT: PASS



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MATRIX NAME: Beverage

SAMPLE TYPE: Quality Assurance

RECEIVED DATE: Tue, Feb 6, 2024

PUBLISHED DATE: Fri, Feb 9, 2024

BATCH CODE: U02641790

BATCH SIZE: 0

SAMPLE SIZE: 1U

AVERAGE UNIT WEIGHT: 63.425g (Density (1.0750g/mL) x 2 fl oz package)

TOTAL MAJOR ALKALOIDS 161.99 mg/serv

TOTAL MINOR ALKALOIDS ND

MITRAGYNINE 120.13 mg/serv

KAVAL ✓
Kavalactones & Kavains

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

TYMGD ✓
Total Yeast & Mold
Plate

HPMET ✓
Heavy Metals
7

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director
Cambium Analytica
Friday, Feb 9, 2024

RESULTS CERTIFIED BY: Douglas Smith

VP - Scientific Operations
Cambium Analytica
Fri, Feb 9, 2024

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LAB-TM-067 - DETERMINATION OF KAVALACTONES & KAVAINS BY LC-DAD

KAVAL-DTS-240202-002-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Kavalactones	0.083 %	105.78 mg	211.57 mg	N/A			N/A
Dihydrokavain	0.022 %	27.37 mg	54.74 mg	N/A	0.25 ug/g	1 ug/g	N/A
Kavain	0.022 %	27.89 mg	55.78 mg	N/A	0.25 ug/g	1 ug/g	N/A
Desmethoxyyangonin	0.012 %	15.14 mg	30.28 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	0.009 %	11.01 mg	22.02 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	0.008 %	10.49 mg	20.98 mg	N/A	0.25 ug/g	1 ug/g	N/A
Yangonin	0.008 %	10.08 mg	20.17 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain B	0.002 %	2.25 mg	4.49 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain A	0.001 %	1.55 mg	3.10 mg	N/A	0.025 ug/g	0.1 ug/g	N/A

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

ALKU-DTS-240202-002-01 - FRI, FEB 2, 2024

ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
Total Major Alkaloids	0.128 %	161.99 mg	323.97 mg	N/A			N/A
Mitragynine	0.095 %	120.13 mg	240.25 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	0.020 %	26.00 mg	52.01 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.010 %	12.43 mg	24.86 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.003 %	3.42 mg	6.85 mg	N/A	0.3 ug/g	0.5 ug/g	N/A

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

ALKL-DTS-240202-002-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	VALUE (PER SERVING)	VALUE (PER PACKAGE)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Mitraphylline	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A
Total Minor Alkaloids	ND	ND	ND	N/A	0.01 ug/kg	0.1 ug/kg	N/A

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

TYMFD-DTS-240202-002-01 - FRI, FEB 2, 2024

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

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

HPMET-DTS-240202-002-01 - FRI, FEB 2, 2024



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0.038 ug/g	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.003 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.035 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	ND	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.004 ug/g	N/A	0.2817 ug/kg	0.2817 ug/kg	N/A
Mercury	0.007 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.009 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A

