

CERTIFICATE OF ANALYSIS



SAMPLE NAME: KRATOM/KAVA SHOT - BLU RAZZ

SAMPLE CODE: DTS-240906-026

CLIENT: MITRA9-WHI

BATCH RESULT: PASS

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MATRIX NAME: Beverage
SAMPLE TYPE: Compliance
RECEIVED DATE: Wed, Sep 11, 2024
PUBLISHED DATE: Wed, Sep 18, 2024
BATCH/LOT CODE: 3010092024WHI149
BATCH SIZE: N/A
SAMPLE SIZE: 2U
AVERAGE UNIT WEIGHT: 63.7g

MITRAGYNINE 31.85 mg / serv

TOTAL MAJOR ALKALOIDS 34.21 mg / serv

TOTAL MINOR ALKALOIDS 0.00 mg / serv

KAVAL ✓
Kavalactones & Kavains

ALKU ✓
Kratom Alkaloids
High Level

ALKL ✓
Kratom Alkaloids
Low Level

SOL ✓
Residual Solvents
USP <467>

TYMFD ✓
Total Yeast & Mold
Plate

HPMET ✓
Heavy Metals
7

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Wednesday, Sep 18, 2024

RESULTS CERTIFIED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Wednesday, Sep 18, 2024

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KAVAL

KAVALACTONES & KAVAINSLAB-TM-067 - DETERMINATION OF KAVALACTONES & KAVAINS BY LC-DAD
KAVAL-DTS-240906-026-03 - WED, SEP 18, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Dihydrokavain	0.003 %	0.026 mg/g	0.82 mg	1.64 mg	N/A	0.25 ug/g	1 ug/g	N/A
Kavain	0.003 %	0.027 mg/g	0.84 mg	1.69 mg	N/A	0.25 ug/g	1 ug/g	N/A
Desmethoxyyangonin	0.001 %	0.005 mg/g	0.17 mg	0.34 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	0.001 %	0.012 mg/g	0.39 mg	0.78 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	0.001 %	0.010 mg/g	0.33 mg	0.66 mg	N/A	0.25 ug/g	1 ug/g	N/A
Yangonin	0.001 %	0.008 mg/g	0.24 mg	0.49 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain A	ND	N/A	N/A	N/A	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain B	ND	N/A	N/A	N/A	N/A	0.025 ug/g	0.1 ug/g	N/A
Total Kavalactones	0.009 %	0.088 mg/g	2.80 mg	5.59 mg	N/A			N/A
Total Kavalactones and Kavains	0.009 %	0.088 mg/g	2.80 mg	5.60 mg	N/A			N/A

ALKU

KRATOM ALKALOIDS - HIGH LEVELLAB-TM-052 - DETERMINATION OF KRATOM ALKALOID CONTENT BY UPLC-DAD
ALKU-DTS-240906-026-01 - FRI, SEP 6, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	0.1 %	1.0 mg/g	31.85 mg	63.7 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Paynantheine	0.005 %	0.047 mg/g	1.50 mg	2.99 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciogynine	0.003 %	0.026 mg/g	0.83 mg	1.66 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Speciociliatine	1e-04 %	N/A	0.03 mg	0.06 mg	N/A	0.3 ug/g	0.5 ug/g	N/A
Total Major Alkaloids	0.107 %	1.074 mg/g	34.21 mg	68.41 mg	N/A	N/A	N/A	N/A

ALKL

KRATOM ALKALOIDS - LOW LEVELLAB-TM-047 - DETERMINATION OF KRATOM ALKALOID CONTENT BY LC-TQ
ALKL-DTS-240906-026-01 - FRI, SEP 6, 2024

ANALYTE	VALUE	VALUE (MG/G)	PER SERVING	PER PACKAGE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.00001 %	0.00012 mg/g	0.00 mg	0.01 mg	N/A	0.002 ug/g	0.011 ug/g	N/A
Mitraphylline	ND	N/A	N/A	N/A	N/A	0.004 ug/g	0.019 ug/g	N/A
Total Minor Alkaloids	0.00001 %	0.00012 mg/g	0.00 mg	0.01 mg	N/A	0.006 ug/g	0.03 ug/g	N/A



SOL

RESIDUAL SOLVENTS - USP <467>

LAB-TM-004 - DETERMINATION OF RESIDUAL SOLVENTS
SOL-DTS-240906-026-01 - FRI, SEP 6, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
1,2-Dichloroethane	ND	N/A	0.4 ug/g	1.34 ug/g	N/A
2-Methylbutane	ND	N/A	1.54 ug/g	5.14 ug/g	N/A
2-Methylpentane	ND	N/A	0.046 ug/g	0.154 ug/g	N/A
2,2-Dimethylbutane	ND	N/A	0.98 ug/g	3.27 ug/g	N/A
2,3-Dimethylbutane	ND	N/A	2.19 ug/g	7.32 ug/g	N/A
3-Methylpentane	ND	N/A	0.73 ug/g	2.44 ug/g	N/A
Acetone	ND	N/A	1.57 ug/g	5.23 ug/g	N/A
Acetonitrile	ND	N/A	1.85 ug/g	6.17 ug/g	N/A
Benzene	ND	N/A	0.18 ug/g	0.59 ug/g	N/A
Butane	ND	N/A	1.68 ug/g	5.59 ug/g	N/A
Chloroform	ND	N/A	0.78 ug/g	2.59 ug/g	N/A
Ethanol	329.575 ug/g	N/A	6.02 ug/g	20.1 ug/g	N/A
Ethyl Acetate	ND	N/A	1.95 ug/g	6.49 ug/g	N/A
Ethyl Ether	ND	N/A	1.37 ug/g	4.55 ug/g	N/A
Ethylene Oxide	ND	N/A	0.15 ug/g	0.49 ug/g	N/A
Heptane	ND	N/A	1.31 ug/g	4.37 ug/g	N/A
Hexane	ND	N/A	1.42 ug/g	4.74 ug/g	N/A
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	ND	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	ND	N/A	7.89 ug/g	26.4 ug/g	N/A
Methylene Chloride	ND	N/A	1.36 ug/g	4.53 ug/g	N/A
Neopentane	ND	N/A	1.49 ug/g	4.97 ug/g	N/A
Pentane	ND	N/A	1.46 ug/g	4.87 ug/g	N/A
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Toluene	ND	N/A	1.88 ug/g	6.26 ug/g	N/A
Total Xylenes	ND	N/A	2.02 ug/g	6.72 ug/g	N/A
Trichloroethylene	ND	N/A	0.29 ug/g	0.96 ug/g	N/A
Butanes (Sum of Butane and Isobutane)	ND	N/A			N/A
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A			N/A
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A			N/A



TYMFD

TOTAL YEAST & MOLD - PLATELAB-TM-061 - ENUMERATION OF YEAST AND MOLD IN FOODS AND DIETARY SUPPLEMENTS
TYMFD-DTS-240906-026-01 - FRI, SEP 6, 2024

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	120 CFU/g	N/A	10 CFU/g	10 CFU/g	N/A

HPMET

HEAVY METALS - 7LAB-TM-044 - DETERMINATION OF HEAVY METALS BY ICP-MS
HPMET-DTS-240906-026-01 - FRI, SEP 6, 2024

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	0.012 ug/g	N/A	0.39 ug	0.79 ug	N/A	0.082 ug/kg	0.272 ug/kg	N/A
Chromium	ND	N/A	N/A	N/A	N/A	0.627 ug/kg	2.091 ug/kg	N/A
Copper	ND	N/A	N/A	N/A	N/A	0.155 ug/kg	0.515 ug/kg	N/A
Lead	0.014 ug/g	N/A	0.45 ug	0.90 ug	N/A	0.282 ug/kg	0.282 ug/kg	N/A
Mercury	0.005 ug/g	N/A	0.17 ug	0.33 ug	N/A	0.017 ug/kg	0.057 ug/kg	N/A
Nickel	0.022 ug/g	N/A	0.71 ug	1.42 ug	N/A	0.321 ug/kg	1.071 ug/kg	N/A

