

CERTIFICATE OF ANALYSIS

SAMPLE NAME: CHEWABLE EXTRACT KAVA/KRATOM - EDIBLE TABLET

SAMPLE CODE: KTM-230515-016

CLIENT: PURE INFINITY BOTANICALS

BATCH RESULT: PASS



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Traverse City, MI 49686
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MATRIX NAME:

Kratom/Kava - Leaf Powder

SAMPLE TYPE:

Quality Assurance

RECEIVED DATE:

Thursday, May 25, 2023

PUBLISHED DATE:

Wednesday, May 31, 2023

BATCH CODE:

CHEWKAVAKRATOM01

BATCH SIZE:

3U

SAMPLE SIZE:

3U

AVERAGE UNIT WEIGHT:

0.4662g



Determination of
Kavalactones



LAB-TM-052
High Alkaloid Analysis
by UPLC



LAB-TM-047
Low Alkaloid Analysis
by LC-MS/MS



LAB-TM-004
Residual Solvent
Analysis by GC-MS

A handwritten signature in black ink, reading "Leslie Varela".

RESULTS REVIEWED BY: Leslie Varela

Laboratory Director

Cambium Analytica

Wednesday, May 31, 2023

A handwritten signature in black ink, reading "Douglas Smith".

RESULTS REVIEWED BY: Douglas Smith

VP - Scientific Operations

Cambium Analytica

Wednesday, May 31, 2023

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DETERMINATION OF KAVALACTONES

KAVAL-KTM-230515-016-01 - MONDAY, MAY 15, 2023

ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
Desmethoxyyangonin	1.51376 %	7.05713 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydrokavain	2.72898 %	12.72249 mg	N/A	0.25 ug/g	1 ug/g	N/A
Dihydromethysticin	1.62122 %	7.55815 mg	N/A	0.25 ug/g	1 ug/g	N/A
Flavokavain A	0.19733 %	0.91997 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Flavokavain B	0.21704 %	1.01183 mg	N/A	0.025 ug/g	0.1 ug/g	N/A
Kavain	3.70082 %	17.25321 mg	N/A	0.25 ug/g	1 ug/g	N/A
Methysticin	1.85802 %	8.66209 mg	N/A	0.25 ug/g	1 ug/g	N/A
Total Kavalactones	13.76962 %	64.19396 mg	N/A	N/A	N/A	N/A
Yangonin	1.93246 %	9.00910 mg	N/A	0.25 ug/g	1 ug/g	N/A

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

ALKU-KTM-230515-016-01 - MONDAY, MAY 15, 2023

ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
Mitragynine	4.754 %	22.164 mg	N/A	N/A	0.5 ug/g	N/A
Paynantheine	1.005 %	4.685 mg	N/A	N/A	0.5 ug/g	N/A
Speciociliatine	0.546 %	2.548 mg	N/A	N/A	0.5 ug/g	N/A
Speciogynine	0.526 %	2.450 mg	N/A	N/A	0.5 ug/g	N/A
Total Major Alkaloids	6.831 %	31.847 mg	N/A	N/A	N/A	N/A

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

ALKL-KTM-230515-016-01 - MONDAY, MAY 15, 2023

ANALYTE	VALUE	VALUE (PER SERVING)	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.081 %	0.379 mg	N/A	N/A	N/A	N/A
Mitraphylline	0 %	0.001 mg	N/A	N/A	N/A	N/A
Total Minor Alkaloids	0.081 %	0.380 mg	N/A	N/A	N/A	N/A



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	0.0462 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
Butanes (Sum of Butane and Isobutane)	ND	N/A	N/A	N/A	N/A
Chloroform	ND	N/A	0.78 ug/g	2.59 ug/g	N/A
Ethanol	ND	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
Hexanes (Sum of Hexane, 2,2-Dimethylbutane, 2,3-Dimethylbutane, 2-Methylpentane, and 3-Methylpentane)	ND	N/A	N/A	N/A	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	136.6782 ug/g	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
Pentanes (Sum of Pentane, 2-Methylbutane, and Neopentane)	ND	N/A	N/A	N/A	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

