

CERTIFICATE OF ANALYSIS

SAMPLE NAME: 75% 1G OVAL TABLET

SAMPLE CODE: KTM-230202-016

CLIENT: BOTANAWAY

BATCH RESULT: NA



MATRIX: Kratom - Extract - Oxalate Salt

BATCH CODE: N/A

SAMPLE NAME: 75% 1G OVAL TABLET

BATCH SIZE: 1U

RECEIVED DATE: Friday, Feb 3

SAMPLE SIZE: 1U

PUBLISHED DATE: N/A



LAB-TM-047
Kratom Alkaloids



LAB-TM-005
Heavy Metals Analysis
by ICP-MS



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



LAB-TM-015
Total Yeast and Mold

Leslie Varela

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
N/A

Douglas Smith

RESULTS REVIEWED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
N/A

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KRATOM ALKALOIDS

ALK-KTM-230202-016-01 - FRIDAY, FEB 3

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
7-Hydroxymitragynine	0.008 %	N/A	0.01 ug/kg	0.03 ug/kg	N/A
Mitragynine	8 %	N/A	0.01 ug/kg	0.03 ug/kg	N/A
Mitraphylline	0 %	N/A	0.01 ug/kg	0.03 ug/kg	N/A
Paynantheine	0.674 %	N/A	0.01 ug/kg	0.03 ug/kg	N/A
Speciociliatine	0.279 %	N/A	0.01 ug/kg	0.03 ug/kg	N/A
Speciogynine	0.454 %	N/A	0.01 ug/kg	0.03 ug/kg	N/A
Total Alkaloids	9.416 %	N/A	N/A	N/A	N/A

NOTE: Alkaloid measurements were corrected for presence of oxalate by a factor of 1.22 and reported as % w/w of oxalate salt forms.

HEAVY METALS ANALYSIS BY ICP-MS

MET-KTM-230202-016-01 - THURSDAY, FEB 2

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	0 ug/g	N/A	0.1985 ug/kg	0.6616 ug/kg	N/A
Cadmium	0.0071 ug/g	N/A	0.0817 ug/kg	0.2724 ug/kg	N/A
Chromium	0.1619 ug/g	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.0643 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	0.006 ug/g	N/A	0.0845 ug/kg	0.2817 ug/kg	N/A
Mercury	0.0002 ug/g	N/A	0.0171 ug/kg	0.0571 ug/kg	N/A
Nickel	0.0488 ug/g	N/A	0.3213 ug/kg	1.0709 ug/kg	N/A

RESIDUAL SOLVENT ANALYSIS BY GC-MS

SOL-KTM-230202-016-02 - WEDNESDAY, FEB 8

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	N/A	N/A	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)	0 ug/g	N/A	N/A	N/A	N/A
Butyl Acetate	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)	0 ug/g	N/A	N/A	N/A	N/A
Isobutane	ND	N/A	1.6 ug/g	5.34 ug/g	N/A
Isopropyl Alcohol	14.8813 ug/g	N/A	4.9 ug/g	16.3 ug/g	N/A
Methanol	25.7824 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)	0 ug/g	N/A	N/A	N/A	N/A
Propane	ND	N/A	1.95 ug/g	6.51 ug/g	N/A
Propyl Acetate	ND	N/A	N/A	N/A	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

TOTAL YEAST AND MOLD

TYMC-KTM-230202-016-01 - FRIDAY, FEB 3

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	0 CFU/g	N/A	N/A	N/A	N/A

