

CERTIFICATE OF ANALYSIS

SAMPLE NAME: WHITE RABBIT BEVERAGE

SAMPLE CODE: KTM-230725-001

CLIENT: KRABOT

BATCH RESULT: PASS



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MATRIX NAME:
Kratom - Beverage

SAMPLE TYPE:
Compliance

RECEIVED DATE:
Friday, Jul 28, 2023

PUBLISHED DATE:
Friday, Aug 4, 2023

BATCH CODE:
WR0823

BATCH SIZE:
21300000mL

SAMPLE SIZE:
710mL



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



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



LAB-TM-041
Total E. coli Analysis



LAB-TM-043
Aflatoxin Analysis by
LC-MS/MS



LAB-TM-039
USP 561 Pesticides by
GC-MS/MS



LAB-TM-038
USP 561 Pesticides by
LC-MS/MS



LAB-TM-042
Total Aerobic Bacteria
Analysis



LAB-TM-015
Enumeration of Total
Yeast and Mold



LAB-TM-006
Salmonella and Shiga
Toxin Producing E. coli
Analysis by qPCR

Leslie Varela

RESULTS REVIEWED BY: Leslie Varela
Laboratory Director
Cambium Analytica
Friday, Aug 4, 2023

Douglas Smith

RESULTS REVIEWED BY: Douglas Smith
VP - Scientific Operations
Cambium Analytica
Friday, Aug 4, 2023

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ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Arsenic	<LOD	1.5 ug/g	0.1985 ug/kg	0.6616 ug/kg	PASS
Cadmium	<LOD	0.3 ug/g	0.0817 ug/kg	0.2724 ug/kg	PASS
Chromium	<LOD	N/A	0.6272 ug/kg	2.0907 ug/kg	N/A
Copper	0.014 ug/g	N/A	0.1546 ug/kg	0.5152 ug/kg	N/A
Lead	<LOD	1 ug/g	0.0845 ug/kg	0.2817 ug/kg	PASS
Mercury	<LOD	0.5 ug/g	0.0171 ug/kg	0.0571 ug/kg	PASS
Nickel	0.016 ug/g	200 ug/g	0.3213 ug/kg	1.0709 ug/kg	PASS

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	145 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
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	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
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



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
E. coli	0 CFU/g	Detection	N/A	N/A	PASS
Total Coliforms	0 CFU/g	10000 CFU/g	N/A	N/A	PASS

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aflatoxin B1	ND	N/A	0.0052 ug/g	0.0283 ug/g	N/A
Aflatoxin B2	ND	N/A	0.001 ug/g	0.006 ug/g	N/A
Aflatoxin G1	ND	N/A	0.001 ug/g	0.006 ug/g	N/A
Aflatoxin G2	ND	N/A	0.002 ug/g	0.012 ug/g	N/A
Aflatoxins (Sum of B1, B2, G1, and G2)	ND	N/A	0.0242 ug/g	0.1322 ug/g	N/A
Ochratoxin A	ND	N/A	0.0035 ug/g	0.0192 ug/g	N/A



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Aldrin + Dieldrin	ND	N/A	0.2815 ug/g	0.9383 ug/g	N/A
Bromophos Ethyl	ND	N/A	0.0185 ug/g	0.0616 ug/g	N/A
Bromophos Methyl	ND	N/A	0.026 ug/g	0.0865 ug/g	N/A
Bromopropylate	ND	N/A	0.0236 ug/g	0.0788 ug/g	N/A
Chlordane (Sum of -Cis, -Trans, and Oxychlordane)	ND	N/A	0.0549 ug/g	0.1831 ug/g	N/A
Chlorthal-Dimethyl	ND	N/A	0.0053 ug/g	0.0178 ug/g	N/A
DDT (Sum of O,P-DDE, P,P-DDE, O,P-DDT, P,P-DDT, O,P-TDE, and P,P-TDE)	ND	N/A	0.0522 ug/g	0.1741 ug/g	N/A
Dicofol	ND	N/A	0.0623 ug/g	0.2075 ug/g	N/A
Endosulfan (Sum of Isomers and Sulphate)	ND	N/A	0.0693 ug/g	0.231 ug/g	N/A
Endrin	ND	N/A	0.0699 ug/g	0.2329 ug/g	N/A
Fenchlorophos (Sum of Fenchlorophos and Fenchlorophos-Oxon)	ND	N/A	0.0929 ug/g	0.3098 ug/g	N/A
Fenitrothion	ND	N/A	0.0161 ug/g	0.0537 ug/g	N/A
Fenvalerate	ND	N/A	0.0379 ug/g	0.1265 ug/g	N/A
Fluvalinate-Tau	ND	N/A	0.1006 ug/g	0.3352 ug/g	N/A
Heptachlor (Sum of Heptachlor, Cis-Heptachlorepoxyde, and Trans-Heptachlorepoxyde)	ND	N/A	0.1945 ug/g	0.6485 ug/g	N/A
Hexachlorobenzene	ND	N/A	0.0253 ug/g	0.0844 ug/g	N/A
Hexachlorocyclohexane (Sum of Isomers Alpha-, Beta-, Delta-, and Epsilon-)	ND	N/A	0.0937 ug/g	0.3123 ug/g	N/A
Lindane (Gamma-Hexachlorocyclohexane)	ND	N/A	0.0152 ug/g	0.0508 ug/g	N/A
Methacriphos	ND	N/A	0.0643 ug/g	0.2145 ug/g	N/A
Methoxychlor	ND	N/A	0.0113 ug/g	0.0375 ug/g	N/A
Mirex	ND	N/A	0.0075 ug/g	0.0252 ug/g	N/A
Parathion Ethyl + Paraoxon Ethyl	ND	N/A	0.0592 ug/g	0.1972 ug/g	N/A
Pentachloroanisole	ND	N/A	0.0053 ug/g	0.0178 ug/g	N/A
Procymidone	ND	N/A	0.0074 ug/g	0.0248 ug/g	N/A
Quintozene (Sum of Quintozene, Pentachloroaniline, and Methyl-Pentachlorophenyl Sulfide)	ND	N/A	0.0625 ug/g	0.2083 ug/g	N/A
S-421	ND	N/A	0.0142 ug/g	0.0474 ug/g	N/A
Tecnazene	ND	N/A	0.014 ug/g	0.0465 ug/g	N/A
Tetradifon	ND	N/A	0.0167 ug/g	0.0557 ug/g	N/A
Vinclozolin	ND	N/A	0.0195 ug/g	0.065 ug/g	N/A



ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Acephate	ND	N/A	0.0027 ug/g	0.0147 ug/g	N/A
Alachlor	ND	N/A	0.0072 ug/g	0.0392 ug/g	N/A
Azinphos Ethyl	ND	N/A	0.0138 ug/g	0.0754 ug/g	N/A
Azinphos Methyl	ND	N/A	0.012 ug/g	0.0655 ug/g	N/A
Chlorfenvinphos	ND	N/A	0.0093 ug/g	0.0508 ug/g	N/A
Chlorpyrifos Ethyl	ND	N/A	0.0076 ug/g	0.0417 ug/g	N/A
Cyfluthrin	ND	N/A	0.0534 ug/g	0.2914 ug/g	N/A
Cypermethrin	ND	N/A	0.0726 ug/g	0.396 ug/g	N/A
Deltamethrin	ND	N/A	0.0049 ug/g	0.0269 ug/g	N/A
Diazinon	ND	N/A	0.008 ug/g	0.0435 ug/g	N/A
Dichlorvos	ND	N/A	0.0082 ug/g	0.0446 ug/g	N/A
Ethion	ND	N/A	0.0029 ug/g	0.0158 ug/g	N/A
Etrimphos	ND	N/A	0.0065 ug/g	0.0353 ug/g	N/A
Fenpropathrin	ND	N/A	0.0097 ug/g	0.053 ug/g	N/A
Fensulfothion (Sum of Fensulfothion, Fensulfothion-Oxon, Fensulfothion-Oxon-Sulfone, and Fensulfothion-Sulfone)	ND	N/A	0.0344 ug/g	0.1878 ug/g	N/A
Fenthion (Sum of Fenthion, Fenthion-Oxon, Fenthion-Oxon-Sulfone, Fenthion-Oxon-Sulfoxide, Fenthion-Sulfone, and Fenthion-Sulfoxide)	ND	N/A	0.0304 ug/g	0.1661 ug/g	N/A
Flucythrinate	ND	N/A	0.03 ug/g	0.1637 ug/g	N/A
Fonophos	ND	N/A	0.0039 ug/g	0.0214 ug/g	N/A
Lambda-Cyhalothrin	ND	N/A	0.0137 ug/g	0.0748 ug/g	N/A
Mecarbam	ND	N/A	0.0078 ug/g	0.0426 ug/g	N/A
Methamidophos	ND	N/A	9e-04 ug/g	0.0049 ug/g	N/A
Methidathion	ND	N/A	0.0028 ug/g	0.0153 ug/g	N/A
Monocrotophos	ND	N/A	0.0014 ug/g	0.0075 ug/g	N/A
Pendimethalin	ND	N/A	0.0053 ug/g	0.0287 ug/g	N/A
Permethrins (Sum of Cis- and Trans-Permethrin)	ND	N/A	0.0029 ug/g	0.0157 ug/g	N/A
Phosalone	ND	N/A	0.0086 ug/g	0.0467 ug/g	N/A
Phosmet	ND	N/A	0.0099 ug/g	0.0542 ug/g	N/A
Piperonyl Butoxide	<LOD	N/A	0.0039 ug/g	0.0212 ug/g	N/A
Profenophos	ND	N/A	0.0059 ug/g	0.0321 ug/g	N/A
Prothiophos	ND	N/A	0.0108 ug/g	0.0588 ug/g	N/A
Quinalphos	ND	N/A	0.0075 ug/g	0.0411 ug/g	N/A

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Aerobic Count	0 CFU/g	10000000 CFU/g	N/A	N/A	PASS

ANALYTE	VALUE	ACTION LIMIT	LOD	LOQ	STATUS
Total Yeast and Mold	0 CFU/g	100000 CFU/g	N/A	N/A	PASS



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

