



Certificate of Analysis

Compliance Test

Client Information:

KRATOMTIME

Jl. Trans Kalimantan KM7,3 No.55-56

Sungai Ambawang Kuala

Kubu Raya, West Kalimantan 78393

Order # TRI230920-010001

Order Date: 2023-09-20

Sample # AAEW420

Batch # GBIX-01
Batch Date: 2023-01-09
Extracted From: Kratom

Cultivation Date: 0000-00-00
Production Date: 0000-00-00

Sampling Date: 2023-09-26
Lab Batch Date: 2023-09-26
Completion Date: 2023-10-03

Serving Number: 0.00000 Initial Gross Weight: 167.088 g

Number of Units: 4
Net Weight per Unit: 10000.000 mg
Sampling Method: MSP 7.3.1



Kratom Tested

Heavy Metals Tested

Residual Solvents Passed

Pathogenic Passed

Microbiology Petrifilm Passed

Kratom Alkaloids * - Tested

Specimen Weight: 147.400 mg

SOP 13.062 Kratom Alkaloids (LCMS)

Analyte	LOQ (%)	Result (mg/g)	(%)
Mitragynine	0.00146	42.7500	4.275
Paynantheine	0.00146	7.3880	0.7388
Speciogynine	0.00146	6.1740	0.6174
Speciociliatine	0.00146	1.5430	0.1543
7-Hydroxy Mitragynine	0.00146	<LOQ	<LOQ
Corynoxine B	0.00146	<LOQ	<LOQ
Isorhynchophylline	0.00146	<LOQ	<LOQ
Mitraphylline	0.00146	<LOQ	<LOQ

Total Detectable Alkaloids

Total Kratom Alkaloids
5.786% **578.6mg**

Prep. By: 1195 Date: 2023-09-27 18:38:31 Analyzed By: 1252 Date: 2023-09-27 13:21:14
Reviewed By: 1150 Date: 2023-09-29 14:22:02 Lab Batch #: AAEW420-412 Date: 2023-09-29 14:22:02

Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions and Abbreviations used in this report: (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity. (mg/Kg) = Milligram per Kilogram ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034 Sample not received via laboratory sampling.

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Batch # GBIX-01
Batch Date: 2023-01-09
Extracted From: Kratom

Cultivation Date: 0000-00-00
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Order # TRI230920-010001
Order Date: 2023-09-20
Sample # AAEW420

Sampling Date: 2023-09-26
Lab Batch Date: 2023-09-26
Completion Date: 2023-10-03

Serving Number: 0.00000

Initial Gross Weight: 167.088 g

Number of Units: 4
Net Weight per Unit: 10000.000 mg
Sampling Method: MSP 7.3.1

Pathogenic SE (Microarray)

Specimen Weight: 1038.300 mg

Passed
SOP13.019 (Micro Array)

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
E. Coli	1	Absence in 1g	Salmonella	1	Absence in 1g
Prep. By: 1225		Date: 2023-09-30 19:42:03	Analyzed By: 1225		Date: 2023-09-30 19:42:03
Reviewed By: 1225		Date: 2023-09-30 20:29:00	Lab Batch #: AAEW420-445		Date: 2023-09-30 20:29:00

Kratom Heavy Metals

Specimen Weight: 246.700 mg

Tested
SOP13.051 (ICP-MS)

Dilution Factor: 202.675

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	.019	0.5	1500	55.9	Manganese (Mn)	.04694	5	900000	348
Cadmium (Cd)	.004	0.5	300	20.5	Mercury (Hg)	.010	0.5	500	32.3
Lead (Pb)	.044	0.5	1000	104	Nickel (Ni)	.149	1.25	200000	120
Prep. By: 1204		Date: 2023-10-02 16:18:16	Analyzed By: 1204		Date: 2023-10-03 16:45:57				
Reviewed By: 1050		Date: 2023-10-03 17:44:19	Lab Batch #: AAEW420-413		Date: 2023-10-03 17:44:19				

Microbiology ACEC (Petrifilm)

Specimen Weight: 996.000 mg

Passed
SOP13.003 (Petrifilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	20	10000	<10	Yeast/Mold	20	1000	<10
Coliform	20	100	<10				
Prep. By: 1066		Date: 2023-09-28 14:47:04	Analyzed By: 1066		Date: 2023-09-28 14:47:04		
Reviewed By: 1211		Date: 2023-09-30 15:13:04	Lab Batch #: AAEW420-443		Date: 2023-09-30 15:13:04		

Residual Solvents - FL

Specimen Weight: 312.300 mg

Passed
SOP13.039 (GCMS)

Dilution Factor: 50.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.132	8	<LOQ	Heptane	0.0013	8	5000	<LOQ
1,2-Dichloroethane	0.0003	0.032	2	<LOQ	Hexane	0.068	0.8	250	<LOQ
Acetone	0.015	12	750	<LOQ	Isopropyl alcohol	0.0048	8	500	<LOQ
Acetonitrile	0.06	0.96	60	<LOQ	Methanol	0.0005	4	250	<LOQ
Benzene	0.0002	0.016	1	<LOQ	Methylene chloride	0.0029	2	125	<LOQ
Butanes	0.4167	13.32	5000	<LOQ	Pentane	0.037	12	750	<LOQ
Chloroform	0.0001	0.032	2	<LOQ	Propane	0.031	26.668	5000	<LOQ
Ethanol	0.0021	16	5000	<LOQ	Toluene	0.0009	2.4	150	<LOQ
Ethyl Acetate	0.0012	6.4	400	<LOQ	Total Xylenes	0.0001	7.2	150	<LOQ
Ethyl Ether	0.0049	8	500	<LOQ	Trichloroethylene	0.0014	0.4	25	<LOQ
Ethylene Oxide	0.0038	0.32	5	<LOQ					
Prep. By: 1051		Date: 2023-09-27 14:09:01	Analyzed By: 1051		Date: 2023-09-27 14:08:36				
Reviewed By: 1208		Date: 2023-10-02 14:24:49	Lab Batch #: AAEW420-55		Date: 2023-10-02 14:24:49				

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
D.H.Sc., M.Sc., B.Sc., MT (AAB)

Definitions are found on page 1

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