



10mg D9 + 20mg Mango
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

Koi CBD
14631 Best Ave.
Norwalk, CA 90650

Batch # 22KC3F2M
Batch Date: 2022-03-04
Extracted From: Hemp

Sampling Method: MSP 7.3.1
Test Reg State: Florida

Order # GRO220309-130001
Order Date: 2022-03-09
Sample # AAC0451

Sampling Date: 2022-03-10
Lab Batch Date: 2022-03-10
Completion Date: 2022-03-15

Initial Gross Weight: 15.158 g
Net Weight: 14.258 g

Number of Units: 1
Net Weight per Unit: 4.500 g



Product Image

Potency Tested	Terpenes Tested	Heavy Metals Passed	Mycotoxins Passed	Pesticides Passed
Residual Solvents Passed	Listeria Monocytogenes Passed	Pathogenic Passed		

Potency - 11

Specimen Weight: 1508.400 mg

Tested (LCU)

Pieces For Panel: 3

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	4.900	0.490
Delta-9 THC	1000.000	0.000013	0.001	2.300	0.230
Delta-8 THC	1000.000	0.000026	0.001	0.100	0.010
CBC	1000.000	0.000018	0.001	<LOQ	<LOQ
THCV	1000.000	0.000007	0.001	<LOQ	<LOQ
CBN	1000.000	0.000014	0.001	<LOQ	<LOQ
CBGA	1000.000	0.000008	0.001	<LOQ	<LOQ
CBG	1000.000	0.000248	0.001	<LOQ	<LOQ
CBDV	1000.000	0.000065	0.001	<LOQ	<LOQ
CBDA	1000.000	0.000001	0.001	<LOQ	<LOQ
THCA-A	1000.000	0.000032	0.001	<LOQ	<LOQ

Potency Summary

0.230% Total THC 10.350mg	0.490% Total CBD 22.050mg
- Total CBG None Detected	- Total CBN None Detected
0.010% Other Cannabinoids 0.450mg	0.730% Total Cannabinoids 32.850mg

Terpenes Summary

Analyte	Result (mg/g)	(%)
Total Terpenes: 0.000%		

Detailed Terpenes Analysis is on the following page

Xueli Gao
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Ph.D., DABT
Lab Toxicologist

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



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Terpenes

Specimen Weight: 1508.400 mg
Dilution Factor: 20.000

Tested
(GC/GCMS)

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(+)-Cedrol	0.002		<LOQ	(R)-(+)-Limonene	0.002		<LOQ
Nerol	0.002		<LOQ	beta-Myrcene	0.002		<LOQ
Geranyl acetate	0.002		<LOQ	3-Carene	0.002		<LOQ
Guaiol	0.002		<LOQ	alpha-Bisabolol	0.002		<LOQ
Hexahydrothymol	0.002		<LOQ	alpha-Cedrene	0.002		<LOQ
Isoborneol	0.002		<LOQ	alpha-Humulene	0.002		<LOQ
Isopulegol	0.002		<LOQ	alpha-Phellandrene	0.002		<LOQ
Linalool	0.002		<LOQ	alpha-Pinene	0.002		<LOQ
Ocimene	0.000		<LOQ	alpha-Terpinene	0.002		<LOQ
Gamma-Terpinene	0.002		<LOQ	beta-Pinene	0.002		<LOQ
Pulegone	0.002		<LOQ	Fenchone	0.002		<LOQ
Sabinene	0.002		<LOQ	Borneol	0.004		<LOQ
Sabinene Hydrate	0.002		<LOQ	Camphene	0.002		<LOQ
Terpinolene	0.002		<LOQ	Camphors	0.006		<LOQ
Total Terpeneol	0.001		<LOQ	Caryophyllene oxide	0.002		<LOQ
trans-Caryophyllene	0.002		<LOQ	cis-Nerolidol	0.002		<LOQ
trans-Nerolidol	0.002		<LOQ	Eucalyptol	0.002		<LOQ
Geraniol	0.002		<LOQ	Farnesene	0.002		<LOQ
Fenchyl Alcohol	0.002		<LOQ	Valencene	0.002		<LOQ

Total Terpenes: 0.000%

Mycotoxins

Specimen Weight: 174.790 mg
Dilution Factor: 8.582

Passed Heavy Metals

Specimen Weight: 247.500 mg
Dilution Factor: 202

Passed
(ICP-MS)

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	6	20	<LOQ	Aflatoxin G2	6	20	<LOQ	Arsenic (As)	100	1500	<LOQ
Aflatoxin B2	6	20	<LOQ	Ochratoxin A	12	20	<LOQ	Lead (Pb)	100	500	<LOQ
Aflatoxin G1	6	20	<LOQ					Cadmium (Cd)	100	500	<LOQ
								Mercury (Hg)	100	3000	<LOQ

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Pesticides FL V4

Specimen Weight: 174.790 mg
Dilution Factor: 8.582

Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	28.23	300	<LOQ	Fludioxonil	48	3000	<LOQ
Acephate	30	3000	<LOQ	Hexythiazox	30	2000	<LOQ
Acequinocyl	48	2000	<LOQ	Imazalil	30	100	<LOQ
Acetaminiprid	30	3000	<LOQ	Imidacloprid	30	3000	<LOQ
Aldicarb	30	100	<LOQ	Kresoxim Methyl	30	1000	<LOQ
Azoxystrobin	10	3000	<LOQ	Malathion	30	2000	<LOQ
Bifenazate	30	3000	<LOQ	Metalaxyl	10	3000	<LOQ
Bifenthrin	30	500	<LOQ	Methiocarb	30	100	<LOQ
Boscalid	10	3000	<LOQ	Methomyl	30	100	<LOQ
Captan	30	3000	<LOQ	methyl-Parathion	10	100	<LOQ
Carbaryl	10	500	<LOQ	Mevinphos	10	100	<LOQ
Carbofuran	10	100	<LOQ	Myclobutanil	30	3000	<LOQ
Chlorantraniliprole	10	3000	<LOQ	Naled	30	500	<LOQ
Chlordane	10	100	<LOQ	Oxamyl	30	500	<LOQ
Chlorfenapyr	30	100	<LOQ	Paclotbutrazol	30	100	<LOQ
Chloromequat Chloride	10	3000	<LOQ	Pentachloronitrobenzene	10	200	<LOQ
Chlorpyrifos	30	100	<LOQ	Permethrin	30	1000	<LOQ
Clofentezine	30	500	<LOQ	Phosmet	30	200	<LOQ
Coumaphos	48	100	<LOQ	Piperonylbutoxide	30	3000	<LOQ
Cyfluthrin	30	1000	<LOQ	Prallethrin	30	400	<LOQ
Cypermethrin	30	1000	<LOQ	Propiconazole	30	1000	<LOQ
Daminozide	30	100	<LOQ	Propoxur	30	100	<LOQ
Diazinon	30	200	<LOQ	Pyrethrins	30	1000	<LOQ
Dichlorvos	30	100	<LOQ	Pyridaben	30	3000	<LOQ
Dimethoate	30	100	<LOQ	Spinetoram	10	3000	<LOQ
Dimethomorph	48	3000	<LOQ	Spinosad	30	3000	<LOQ
Ethoprophos	30	100	<LOQ	Spiromesifen	30	3000	<LOQ
Etofenprox	30	100	<LOQ	Spirotetramat	30	3000	<LOQ
Etozazole	30	1500	<LOQ	Spiroxamine	30	100	<LOQ
Fenhexamid	10	3000	<LOQ	Tebuconazole	30	1000	<LOQ
Fenoxycarb	30	100	<LOQ	Thiacloprid	30	100	<LOQ
Fenpyroximate	30	2000	<LOQ	Thiamethoxam	30	1000	<LOQ
Fipronil	30	100	<LOQ	Trifloxystrobin	30	3000	<LOQ
Fonicamid	30	2000	<LOQ				

Passed (LCMS/GCMS)

Residual Solvents - FL (CBD)

Specimen Weight: 10.600 mg
Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.16	8	<LOQ	Heptane	1.39	5000	<LOQ
1,2-Dichloroethane	0.04	5	<LOQ	Hexane	1.17	290	<LOQ
Acetone	2.08	5000	<LOQ	Isopropyl alcohol	1.39	500	<LOQ
Acetonitrile	1.17	410	<LOQ	Methanol	0.69	3000	Passed
Benzene	0.02	2	<LOQ	Methylene chloride	2.43	600	<LOQ
Butanes	2.5	2000	<LOQ	Pentane	2.08	5000	<LOQ
Chloroform	0.04	60	<LOQ	Propane	5.83	2100	<LOQ
Ethanol	2.78	5000	<LOQ	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	<LOQ	Total Xylenes	2.92	2170	<LOQ
Ethyl Ether	1.39	5000	<LOQ	Trichloroethylene	0.49	80	<LOQ
Ethylene Oxide	0.1	5	<LOQ				

Passed (GCMS)

Pathogenic SAE (qPCR)

Specimen Weight: 238.200 mg
Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	Salmonella	1	Absence in 1g
E.Coli	1	Absence in 1g			

Passed (qPCR)

Listeria Monocytogenes

Specimen Weight: 982.300 mg
Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result
Listeria Monocytogenes	1	Absence in 1g

Passed (qPCR)

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