



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

Certificate of Analysis

Compliance Test

Koi CBD
14631 Best Ave.
Norwalk, CA 90650

Batch # 22KC3F2B
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 # AAC0450

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

Initial Gross Weight: 15.005 g
Net Weight: 14.105 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: 1529.100 mg

Tested
(LCU)

Pieces For Panel: 3

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	1000.000	0.000054	0.001	5.000	0.500
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
THCV	1000.000	0.000007	0.001	0.100	0.010
CBC	1000.000	0.000018	0.001	<LOQ	
CBN	1000.000	0.000014	0.001	<LOQ	
CBGA	1000.000	0.000008	0.001	<LOQ	
CBG	1000.000	0.000248	0.001	<LOQ	
CBDV	1000.000	0.000065	0.001	<LOQ	
CBDA	1000.000	0.000001	0.001	<LOQ	
THCA-A	1000.000	0.000032	0.001	<LOQ	

Potency Summary

0.230% Total THC	10.350mg	0.500% Total CBD	22.500mg
- Total CBG	None Detected	- Total CBN	None Detected
0.020% Other Cannabinoids	0.900mg	0.750% Total Cannabinoids	33.750mg

Terpenes Summary

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

Detailed Terpenes Analysis is on the following page

Xueli Gao
Ph.D., DABT
Lab Toxicologist

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



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), *Total THC = THCA-A * 0.877 + Delta 9 THC, *Total THCV = THCV + (THCVA * 0.87), *CBG Total = (CBGA * 0.877) + CBG, *CBN Total = (CBNA * 0.877) + CBN, *Total CBC = CBC + (CBCA * 0.877), *Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, *Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, *Total Detected Cannabinoids = Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (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) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 10%



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Terpenes

Specimen Weight: 1529.100 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: 177.970 mg
Dilution Factor: 8.428

Passed Heavy Metals

Specimen Weight: 246.200 mg
Dilution Factor: 203

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: 177.970 mg
Dilution Factor: 8.428

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
Acetamiprid	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
Chlorfendazole	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
Clofentazine	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: 12.000 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	Passed	Toluene	2.92	890	<LOQ
Ethyl Acetate	1.11	5000	Passed	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: 220.500 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: 1010.700 mg
Dilution Factor: 1.000

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

Passed (qPCR)

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