

Certificate of Analysis
Compliance Test

Client Information:

Koi CBD LLC

14631 Best Ave.

Norwalk, CA 90650

Batch # 2596BB0125
Batch Date: 2023-04-20
Extracted From: Hemp

Test Reg State: Oregon

Order # SAY230427-080001

Order Date: 2023-04-27

Sample # AAEK047

Sampling Date: 2023-04-28

Lab Batch Date: 2023-04-28

Orig. Completion Date: 2023-05-02

Initial Gross Weight: 35.618 g

Number of Units: 1

Net Weight per Unit: 5.000 g

Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Photo

Potency
TestedHHCP
TestedTerpenes
TestedHeavy Metals
PassedMycotoxins
PassedAcetic Anhydride
TestedPesticides
PassedResidual Solvents
PassedPathogenic Microbiology
PassedListeria Monocytogenes
Passed

Product Image

Potency 25 (LCUV)
Specimen Weight: 57.520 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	SOP13.052 (LCUV) (%)
Delta-8 THC	1000.000	2.60E-5	0.0015	725.5000	72.5500
Delta-9-THCP *	100.000	1.17E-5	0.0012	25.2700	2.5270
Delta-8 THCV	10.000	4.00E-5	0.0015	3.1550	0.3155
CBNA	10.000	9.50E-5	0.0015	2.2950	0.2295
Delta-8 THC-O Acetate	10.000	2.70E-5	0.003	2.1930	0.2193
CBDA	10.000	1.00E-5	0.0015	2.0170	0.2017
CBT	10.000	2.00E-4	0.0015	1.1170	0.1117
Delta-8-THCP *	10.000	3.75E-4	0.0015	0.4220	0.0422
CBC	100.000	1.80E-5	0.0015	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBD	10.000	5.40E-5	0.0015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
CBL	10.000	3.50E-5	0.0015	<LOQ	<LOQ
CBN	10.000	1.40E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	100.000	1.30E-5	0.0015	<LOQ	<LOQ
Delta-9 THC-O Acetate	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.0015	<LOQ	<LOQ
THCB *	10.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH *	10.000	3.50E-4	0.00195	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.0015	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	1000.000			1.769	0.177
Total Active THC	1000.000			<LOQ	<LOQ

Tested

SOP13.052 (LCUV)



Potency Summary

Total HHC	18.558%	927.920mg	-	Total Active THC	None Detected
Total Active CBD	0.177%	8.840mg	-	Total CBG	None Detected
Total CBN	0.201%	10.050mg	-	Other Cannabinoids	3,788.300
Total Cannabinoids	94.702%	4,735.100			



Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	2.88	0.288%
alpha-Humulene	1.54	0.154%
beta-Pinene	1.19	0.119%
alpha-Bisabolol	0.86	0.086%

Total Terpenes: 0.647%

Detailed Terpenes Analysis is on the following page

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

Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THC = 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, Total THCP = Delta8-THCP + Delta9-THCP, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8a10a-THC + Delta8-THC + Total CBN + CBT + CBE + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate + Total THCP. (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, Passed - Analyte/microbe is non-detected or at the level below the action limit, Failed - Analyte/microbe is at the level that equal or above the action limit, *Measurement of Uncertainty = +/- 10% Revised report- see statement of amendment above.

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Number of Units: 1

Net Weight per Unit: 5.000 g

Sampling Method: MSP 7.3.1



Terpenes

Specimen Weight: 51.800 mg

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	2.880	0.288
alpha-Humulene	0.002	1.540	0.154
beta-Pinene	0.002	1.190	0.119
alpha-Bisabolol	0.002	0.860	0.086
(+)-Cedrol	0.002	<LOQ	
(R)-(+)-Limonene	0.002	<LOQ	
3-Carene	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ	
alpha-Pinene	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ	
beta-Myrcene	0.002	<LOQ	
Borneol	0.004	<LOQ	
Camphene	0.002	<LOQ	
Camphors	0.006	<LOQ	
Caryophyllene oxide	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ	
Eucalyptol	0.002	<LOQ	
Farnesene	0.002	<LOQ	



Acetic Anhydride

Specimen Weight: 101.500 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetic Anhydride	.527	50	<LOQ



Listeria Monocytogenes

Specimen Weight: 511.700 mg

SOP13.046 (GCMS) Dilution Factor: 1.000

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

Tested
SOP13.045 (GC/GCMS)

Passed
SOP13.032 (qPCR)

Aixa Sun Lab Director/Principal Scientist
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Definitions are found on page 1

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Heavy Metals

Specimen Weight: 251.500 mg

Dilution Factor: 198

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	<LOQ	Lead (Pb)	11.76	100		
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100		

Passed

SOP13.048 (ICP-MS)

Pathogenic Microbiology SAE

(MicroArray)

Specimen Weight: 1005.200 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Aspergillus flavus	Absence in 1g	Aspergillus terreus	Absence in 1g
Aspergillus fumigatus	Absence in 1g	Salmonella	Absence in 1g
Aspergillus niger	Absence in 1g	STEC E. Coli	Absence in 1g

Passed

SOP13.019 (Micro Array)

Mycotoxins

Specimen Weight: 274.900 mg

Dilution Factor: 5.460

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6	20	<LOQ
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8	20	<LOQ
Aflatoxin G1	3.0400E-1	6	20	<LOQ					

Passed

SOP13.007 (LCMS)

HHCP

Specimen Weight: 57.520 mg

Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHCP	3.1100E-7	7.5E-5	110.0000	11	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	<LOQ
(9S)-HHCP	8.7400E-7	7.5E-5	75.2000	7.52	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	<LOQ
(±)-9B-hydroxy-HHC	4.5800E-7	7.5E-5	0.3840	0.0384	Total HHC			185.5840	18.5584
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ	<LOQ					

Tested

None Found - Add on Testing Tabs! ()

Residual Solvents - FL (CBD)

Specimen Weight: 13.800 mg

Dilution Factor: 1.000

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	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	<LOQ	Isopropyl alcohol	0.0048	1.39	500	45.632
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	<LOQ
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	156.841	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

Passed

SOP13.039 (GCMS)

Aixia Sun
Aixia Sun Lab Director/Principal Scientist
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Pesticides
Specimen Weight: 274.900 mg
Dilution Factor: 5.460

Passed

SOP13.007 (LCMS/GCMS)

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	100	<LOQ	Fludioxonil	1.7400E+0	48	100	<LOQ
Acephate	2.3000E-2	30	100	<LOQ	Hexythiazox	4.9000E-2	30	100	<LOQ
Acequinocyl	9.5640E+0	48	100	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	100	<LOQ	Imidacloprid	9.4000E-2	30	400	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	100	<LOQ
Azoxystrobin	8.1000E-2	10	100	<LOQ	Malathion	8.2000E-2	30	200	<LOQ
Bifenazate	1.4150E+0	30	100	<LOQ	Metalaxyl	8.1000E-2	10	100	<LOQ
Bifenthrin	4.3000E-2	30	100	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	100	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	700	<LOQ	methyl-Parathion	1.7100E+0	10	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Mevinphos	2.1500E+0	10	100	<LOQ
Carbofuran	3.4000E-2	10	100	<LOQ	Myclobutanil	1.0290E+0	30	100	<LOQ
Chlorantraniliprole	3.3000E-2	10	1000	<LOQ	Naled	9.5000E-2	30	250	<LOQ
Chlordane	1.0000E+1	10	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Chlorfenapyr	3.4000E-2	30	100	<LOQ	Paclobutrazol	6.5000E-2	30	100	<LOQ
Chloromequat Chloride	1.0800E-1	10	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	150	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	100	<LOQ
Clofentezine	1.1900E-1	30	200	<LOQ	Phosmet	8.2000E-2	30	100	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	500	<LOQ	Prallethrin	7.9800E-1	30	100	<LOQ
Cypermethrin	1.4490E+0	30	500	<LOQ	Propiconazole	7.0000E-2	30	100	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	100	<LOQ	Pyrethrins	2.3593E+1	30	500	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	200	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	200	<LOQ
Dimethomorph	5.8300E+0	48	200	<LOQ	Spinosad	8.8000E-2	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	100	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	100	<LOQ
Etoxazole	9.5000E-2	30	100	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	100	<LOQ	Tebuconazole	6.7000E-2	30	100	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	100	<LOQ	Thiamethoxam	5.0000E-2	30	500	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	100	<LOQ
Flonicamid	5.1700E-1	30	100	<LOQ					

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