



**Certificate of Analysis**  
Compliance Test

Client Information:

**Koi CBD LLC**  
14631 Best Ave.  
Norwalk, CA 90650

Batch # 2590BB0125  
Batch Date: 2023-04-20  
Extracted From: Hemp

Test Reg State: Oregon

Order # SAY230427-080001  
Order Date: 2023-04-27  
Sample # AAEK048

Sampling Date: 2023-04-28  
Lab Batch Date: 2023-04-28  
Orig. Completion Date: 2023-05-02

Initial Gross Weight: 35.332 g

Number of Units: 1  
Net Weight per Unit: 5.000 g  
Sampling Method: MSP 7.3.1

Statement of Amendment: Updated Photo



<b>Potency Tested</b>	<b>HHCP Tested</b>	<b>Terpenes Tested</b>	<b>Heavy Metals Passed</b>	<b>Mycotoxins Passed</b>
<b>Acetic Anhydride Tested</b>	<b>Pesticides Passed</b>	<b>Residual Solvents Passed</b>	<b>Pathogenic Microbiology Passed</b>	<b>Listeria Monocytogenes Passed</b>

Product Image

**Potency 25 (LCUV)**  
Specimen Weight: 59.910 mg

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	Result (%)
Delta-8 THC	1000.000	2.60E-5	0.0015	730.6000	73.0600
Delta-9-THCP *	100.000	1.17E-5	0.0012	25.1400	2.5140
Delta-8 THCV	10.000	4.00E-5	0.0015	3.1730	0.3173
CBNA	10.000	9.50E-5	0.0015	2.3130	0.2313
CBD A	10.000	1.00E-5	0.0015	2.0390	0.2039
CBT	10.000	2.00E-4	0.0015	1.2890	0.1289
Delta-8 THC-O Acetate	10.000	2.70E-5	0.003	0.8410	0.0841
Delta-8-THCP *	10.000	3.75E-4	0.0015	0.4610	0.0461
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			1.788	0.179
Total Active THC	1000.000			<LOQ	<LOQ

**Tested**

SOP13.052 (LCUV)

**Potency Summary**

<b>Total HHC</b> 20.334%	1,016.720	-	<b>Total Active THC</b> None Detected
<b>Total Active CBD</b> 0.179%	8.940mg	-	<b>Total CBG</b> None Detected
<b>Total CBN</b> 0.203%	10.150mg	-	<b>Other Cannabinoids</b> 3,807.500
<b>Total Cannabinoids</b> 96.867%	4,843.350		

**Terpenes Summary**

Analyte	Result (mg/g)	(%)
(R)-(+)-Limonene	2.37	0.237%
trans-Caryophyllene	1.91	0.191%
alpha-Humulene	1.07	0.107%
beta-Pinene	0.82	0.082%

**Total Terpenes: 0.617%**

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 = Delta6a10a-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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Order # SAY230427-080001  
Order Date: 2023-04-27  
Sample # AAEK048

Sampling Date: 2023-04-28  
Lab Batch Date: 2023-04-28  
Orig. Completion Date: 2023-05-02

Initial Gross Weight: 35.332 g

Number of Units: 1  
Net Weight per Unit: 5.000 g  
Sampling Method: MSP 7.3.1

**Terpenes**  
Specimen Weight: 51.900 mg  
Dilution Factor: 20.000

**Tested**  
SOP13.045 (GC/GCMS)

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	2.370	0.237	Fenchone	0.002	<LOQ	<LOQ
trans-Caryophyllene	0.002	1.910	0.191	Fenchyl Alcohol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	1.070	0.107	Gamma-Terpinene	0.002	<LOQ	<LOQ
beta-Pinene	0.002	0.820	0.082	Geraniol	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Geranyl acetate	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Guaial	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Isobomeol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
Borneol	0.004	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
Eucalyptol	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Farnesene	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

**Acetic Anhydride**  
Specimen Weight: 101.200 mg  
Dilution Factor: 1.000

**Tested** Listeria Monocytogenes  
SOP13.046 (GCMS) Specimen Weight: 504.400 mg  
Dilution Factor: 2.970

**Passed**  
SOP13.032 (qPCR)

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	Action Level (cfu/g)	Result
Acetic Anhydride	.527	50	<LOQ	Listeria Monocytogenes	1	Absence in 1g

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**Definitions are found on page 1**

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Lab Batch Date: 2023-04-28  
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Initial Gross Weight: 35.332 g

Number of Units: 1  
Net Weight per Unit: 5.000 g  
Sampling Method: MSP 7.3.1

**Heavy Metals**  
Specimen Weight: 252.500 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	500	<LOQ
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

**Passed**  
SOP13.048 (ICP-MS)

**Pathogenic Microbiology SAE (MicroArray)**  
Specimen Weight: 1010.700 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

**Mycotoxins**  
Specimen Weight: 262.000 mg  
Dilution Factor: 5.730

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: 59.910 mg  
Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	119.0000	11.9	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	<LOQ
(9S)-HHC	8.7400E-7	7.5E-5	84.0000	8.4	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	<LOQ
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	0.3440	0.0344	Total HHC	203.3440		20.3344	
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ	<LOQ					

**Tested**  
None Found - Add on Testing Tabs! ( )

**Residual Solvents - FL (CBD)**  
Specimen Weight: 12.900 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	24.909
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	<LOQ	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)

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**Pesticides**  
Specimen Weight: 262.000 mg  
Dilution Factor: 5.730

**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	Paclitaxel	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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