

KCA Laboratories
232 North Plaza Drive
Nicholasville, KY 40356

+1-833-KCA-LABS
https://kcalabs.com
KDA Lic.# P_0058

Certificate of Analysis

Compliance Test

Client Information:

Koi
14631 Best Ave
Norwalk, CA 90650

Batch # 110224KODB2
Batch Date: 2024-11-27
Extracted From: hemp

Test Reg State: Kentucky

Order # EXC241127-130001
Order Date: 2024-11-27
Sample # AAGE482

Sampling Date: 2024-12-02
Lab Batch Date: 2024-12-02
Orig. Completion Date: 2024-12-09

Initial Gross Weight: 52.859 g
Net Weight: 50.059 g

Number of Units: 1
Net Weight per Unit: 4500.000 mg
Sampling Method: MSP 7.3.1

Statement of Amendment: Merging reports; Updated Net Weight; Updated Net Weight



**Potency
Tested**



**Heavy Metals
Passed**



**Mycotoxins
Passed**



**Pesticides
Passed**



**Residual Solvents
Passed**



**Pathogenic Microbiology
Passed**



**Microbiology (qPCR)
Passed**

Product Image

Delta 8/Delta 10 Potency 13 - (LCUV) + Potency 25 (LCUV)

Specimen Weight: 1535.800 mg

Tested

SOP13.001,SOP13.002 (LCUV)

Pieces For Panel: 11

Analyte	Dilution (1:n)	LOD (mg/g)	LOQ (%)	Result (mg/g)	(%)
Delta-8 THC	10.000	2.60E-5	0.0015	29.5800	2.9580
CBD	10.000	5.40E-5	0.0015	2.9700	0.2970
Delta-9 THC	10.000	1.30E-5	0.0015	2.9100	0.2910
Delta-8 THCV	10.000	4.00E-5	0.0015	0.2657	0.0266
CBN	10.000	1.40E-5	0.0015	0.1500	0.0150
Delta9-THCP *	10.000	1.17E-5	0.0012	0.1302	0.0130
CBG	10.000	2.48E-4	0.0015	0.1000	0.0100
Delta8-THCP *	10.000	3.75E-4	0.0015	0.0943	0.0094
CBT	10.000	2.00E-4	0.0015	0.0353	0.0035
CBDV	10.000	6.50E-5	0.0015	0.0200	0.0020
Delta6a10a-THC	10.000	8.47E-5	0.0015	0.020	0.002
THCV	10.000	7.00E-6	0.0015	0.001	0.001
CBC	10.000	1.80E-5	0.0015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.0015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-10 THC	10.000	3.00E-6	0.0015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.0015	<LOQ	<LOQ
CBCA	10.000	1.07E-4	0.0015	<LOQ	<LOQ
CBDVA	10.000	1.40E-5	0.0015	<LOQ	<LOQ
CBL	10.000	9.50E-5	0.0015	<LOQ	<LOQ
CBNA	10.000	7.70E-5	0.003	<LOQ	<LOQ
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	<LOQ
THCB *	10.000	1.80E-4	0.00195	<LOQ	<LOQ
THCH *	10.000	3.50E-4	0.00195	<LOQ	<LOQ
THCVA	10.000	4.70E-5	0.0015	<LOQ	<LOQ
Total Active CBD	10.000			2.970	0.297
Total Active THC	10.000			2.910	0.291



Potency Summary

Total Delta 8 2.958%	133.11 mg	Total Delta 10 None Detected
Total Active THC 0.291%	13.095 mg	Total Active CBD 0.297%
Total CBG 0.010%	0.45 mg	Total CBN 0.015%
Total Cannabinoids 3.636%	163.598 mg	

Summary Results determined from two distinct Potency Tests - Delta 8/Delta 10 Potency 13 - (LCUV) + Potency 25 (LCUV)



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CCO
Date: 11/10/2024



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.867), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.878) + CBG, CBN Total = (CBNA * 0.876) + 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, Total Cannabinoids = Total percentage of cannabinoids within the sample. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. KCA uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per KY rule 64ER20-39, 5K4.036, 5K4.034. Failed - Analyte/microbe is at the level that equal or above the action limit per KY rule 64ER20-39, 5K4.036, 5K4.034 The results apply to the sample as received. Revised report- see statement of amendment above.

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Sampling Method: MSP 7.3.1

 **Total Yeast and Mold**
Specimen Weight: 487.400 mg
Dilution Factor: 8.000

Analyte	Action Level (cfu/g)	LOQ (cfu/g)	Result (cfu/g)
Total Yeast/Mold	100000	1000	<LOQ
Prep. By: 1161	Date: 2024-12-11 11:34:57	Analyzed By: 1161	Date: 2024-12-11 11:34:57
Reviewed By: 1179	Date: 2024-12-11 19:45:41	Lab Batch #: AAGE482-434	Date: 2024-12-11 19:45:41

Passed
SOP13.017 (qPCR)

 **Pathogenic Microbiology SAE**
(MicroArray)

Specimen Weight: 1005.300 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)



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Sampling Method: MSP 7.3.1

Heavy Metals				Passed			
Specimen Weight: 253.200 mg				SOP13.048 (ICP-MS)			
Dilution Factor: 197							
Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)
Arsenic (As)	4.83	100	200	<LOQ	Lead (Pb)	11.76	100
Cadmium (Cd)	.64	100	200	<LOQ	Mercury (Hg)	.58	100

Residual Solvents - FL (CBD)				Passed			
Specimen Weight: 18.100 mg				SOP13.039 (GCMS-HS)			
Dilution Factor: 1.000							
Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)
Butanes	0.4167	2.5	2000	<LOQ	Heptane	0.0013	1.39
Ethanol	0.0021	2.78	5000	<LOQ	Hexane	0.068	1.17

Mycotoxins				Passed			
Specimen Weight: 603.300 mg				SOP13.007 (LCMS)			
Dilution Factor: 2.490							
Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)
Aflatoxin B1	3.0400E-1	6	20	<LOQ	Aflatoxin G2	2.7100E-1	6
Aflatoxin B2	7.7000E-2	6	20	<LOQ	Ochratoxin A	7.5400E-1	3.8
Aflatoxin G1	3.0400E-1	6	20	<LOQ			



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Raspberry Gummy
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)

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Net Weight per Unit: 4500.000 mg
Sampling Method: MSP 7.3.1

Pesticides
Specimen Weight: 603.300 mg
Dilution Factor: 2.490

Passed

SOP13.007 (LCMS)

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	300	<LOQ	Fludioxonil	1.7400E+0	48	3000	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Hexythiazox	4.9000E-2	30	2000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Metalaxyl	8.1000E-2	10	3000	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Boscalid	5.5000E-2	10	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Captan	6.1200E+0	30	3000	<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	3000	<LOQ
Chlorantraniliprole	3.3000E-2	10	3000	<LOQ	Naled	9.5000E-2	30	500	<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
Chlormequat Chloride	1.0800E-1	10	3000	<LOQ	Pentachloronitrobenzene	1.3200E+0	10	200	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Clofentazine	1.1900E-1	30	500	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Coumaphos	3.7700E+0	48	100	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Spinetoram	8.0000E-2	10	3000	<LOQ
Dimethomorph	5.8300E+0	48	3000	<LOQ	Spinosad	8.8000E-2	30	3000	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fenhexamid	5.1000E-1	10	3000	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ					

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