

Koi Full Spectrum CBD + CBN

METRC Batch:
METRC Sample:
Sample ID: 2305ENC5028_3373
Strain: Papaya Twist
Matrix: Concentrates & Extracts
Type: Full Spectrum Oil
Batch#: 2342BB0324

Collected: 05/05/2023
Received: 05/05/2023
Completed: 05/10/2023
Sample Size: 6 units;

Distributor
Koi CBD

Lic. #
14631 Best Ave,
Norwalk, CA, 90650



Summary

Test	Date Tested	Instr. Method	Result
Batch			Pass
Cannabinoids	05/08/2023	LC-DAD	Complete
Pesticides	05/08/2023	LC-MS	Pass
Mycotoxins	05/08/2023	LC-MS	Pass
Residual Solvents	05/08/2023	HS-GC-MS	Pass
Microbial Impurities	05/09/2023	qPCR	Pass
Heavy Metals	05/09/2023	ICP-MS	Pass
Foreign Matter	05/08/2023	Visual Inspection	Pass

Cannabinoids

Method: SOP EL-CANNABINOIDS

0.266 %

Total THC

57.471 %

Total CBD

69.476 %

Total Cannabinoids

Analytes	LOD	LOQ	Result	Result
	mg/g	mg/g	%	mg/g
THCa	0.242	0.734	ND	ND
Δ9-THC	0.259	0.785	0.266	2.66
Δ8-THC	0.286	0.868	ND	ND
THCVa	0.279	0.846	ND	ND
THCV	0.289	0.875	ND	ND
CBDa	0.254	0.769	ND	ND
CBD	0.245	0.741	57.471	574.71
CBN	0.230	0.698	10.370	103.70
CBGa	0.276	0.835	ND	ND
CBG	0.254	0.770	0.713	7.13
CBCa	0.225	0.681	ND	ND
CBC	0.264	0.800	0.655	6.55
Total THC			0.266	2.66
Total CBD			57.471	574.71
Total Cannabinoids			69.476	694.76
Sum of Cannabinoids			69.476	694.76

Total THC = THCa * 0.877 + Δ9-THC + Δ8-THC; Total CBD = CBDa * 0.877 + CBD; Total Cannabinoids = (cannabinoid acid forms * 0.877) + cannabinoids; Sum of Cannabinoids = cannabinoid acid forms + cannabinoids; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample. Foreign Material Method: SOP EL-FOREIGN; Moisture and Water Activity Method: SOP EL-WATER



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Pesticides

Method: EL-PESTMYCOLCMS

Analytes	LOD	LOQ	Limit	Result	Status	Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.005	0.02	0.10	ND	Pass	Fludioxonil	0.01	0.05	0.10	ND	Pass
Acephate	0.002	0.01	0.10	ND	Pass	Hexythiazox	0.005	0.02	0.10	ND	Pass
Acequinocyl	0.01	0.02	0.10	ND	Pass	Imazalil	0.05	0.1	0.05	ND	Pass
Acetamiprid	0.005	0.02	0.10	ND	Pass	Imidacloprid	0.005	0.02	5.00	ND	Pass
Aldicarb	0.05	0.1	0.05	ND	Pass	Kresoxim Methyl	0.005	0.02	0.10	ND	Pass
Azoxystrobin	0.005	0.02	0.10	ND	Pass	Malathion	0.02	0.05	0.50	ND	Pass
Bifenazate	0.005	0.01	0.10	ND	Pass	Metalaxyl	0.002	0.005	2.00	0.035	Pass
Bifenthrin	0.02	0.05	3.00	0.241	Pass	Methiocarb	0.05	0.1	0.05	ND	Pass
Boscalid	0.02	0.05	0.10	ND	Pass	Methomyl	0.01	0.02	1.00	ND	Pass
Captan	0.2	0.3	0.70	ND	Pass	Parathion Methyl	0.02	0.05	0.02	ND	Pass
Carbaryl	0.02	0.05	0.50	ND	Pass	Mevinphos	0.02	0.05	0.02	ND	Pass
Carbofuran	0.05	0.1	0.05	ND	Pass	Myclobutanil	0.005	0.01	0.10	ND	Pass
Chlorantraniliprole	0.002	0.01	10.00	ND	Pass	Naled	0.01	0.02	0.10	ND	Pass
Chlordane	0.05	0.1	0.05	ND	Pass	Oxamyl	0.005	0.01	0.50	ND	Pass
Chlorfenapyr	0.05	0.1	0.05	ND	Pass	Paclobutrazol	0.05	0.1	0.05	ND	Pass
Chlorpyrifos	0.05	0.1	0.05	ND	Pass	PCNB	0.02	0.05	0.10	ND	Pass
Clofentezine	0.01	0.02	0.10	ND	Pass	Permethrin	0.02	0.05	0.50	ND	Pass
Coumaphos	0.02	0.05	0.02	ND	Pass	Phosmet	0.01	0.02	0.10	ND	Pass
Cyfluthrin	0.05	0.1	2.00	ND	Pass	Piperonyl Butoxide	0.02	0.05	3.00	ND	Pass
Cypermethrin	0.1	0.2	1.00	ND	Pass	Prallethrin	0.005	0.02	0.10	ND	Pass
Daminozide	0.02	0.05	0.02	ND	Pass	Propiconazole	0.005	0.01	0.10	0.062	Pass
Diazinon	0.002	0.01	0.10	ND	Pass	Propoxure	0.05	0.1	0.05	ND	Pass
Dichlorvos	0.02	0.05	0.02	ND	Pass	Pyrethrins	0.02	0.05	0.50	ND	Pass
Dimethoate	0.02	0.05	0.02	ND	Pass	Pyridaben	0.005	0.01	0.10	ND	Pass
Dimethomorph	0.005	0.02	2.00	ND	Pass	Spinetoram	0.005	0.01	0.10	ND	Pass
Ethoprophos	0.05	0.1	0.05	ND	Pass	Spinosad	0.005	0.01	0.10	ND	Pass
Etofenprox	0.05	0.1	0.05	ND	Pass	Spiromesifen	0.01	0.02	0.10	ND	Pass
Etoazole	0.005	0.02	0.10	ND	Pass	Spirotetramat	0.005	0.01	0.10	ND	Pass
Fenhexamid	0.005	0.02	0.10	ND	Pass	Spiroxamine	0.05	0.1	0.05	ND	Pass
Fenoxycarb	0.05	0.1	0.05	ND	Pass	Tebuconazole	0.005	0.01	0.10	ND	Pass
Fenpyroximate	0.005	0.02	0.10	ND	Pass	Thiacloprid	0.02	0.05	0.02	ND	Pass
Fipronil	0.05	0.1	0.05	ND	Pass	Thiamethoxam	0.005	0.01	5.00	ND	Pass
Flonicamid	0.01	0.02	0.10	ND	Pass	Trifloxystrobin	0.005	0.01	0.10	<LOQ	Pass

Date Tested: 05/08/2023

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Mycotoxins

Method: EL-PESTMYCOLCMS

Analytes	LOD	LOQ	Limit	Result	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	1.00	2.00		ND	Tested
Aflatoxin B2	1.00	2.00		ND	Tested
Aflatoxin G1	2.00	4.00		ND	Tested
Aflatoxin G2	1.00	2.00		ND	Tested
Ochratoxin A	4.00	10.00	20.00	ND	Pass
Total Aflatoxins			20.00	ND	Pass

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Residual Solvents

Method: EL-RES_SOLVENTS

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
Acetone	33.00	100.00	5000	ND	Pass
Acetonitrile	10.00	30.00	410	ND	Pass
Benzene	0.09	0.28	1	ND	Pass
Butane	10.00	30.00	5000	ND	Pass
Chloroform	0.10	0.29	1	ND	Pass
Ethanol	10.00	30.00	5000	ND	Pass
Ethyl-Acetate	10.00	30.00	5000	ND	Pass
Ethyl-Ether	10.00	30.00	5000	ND	Pass
Ethylene Oxide	0.08	0.24	1	ND	Pass
Heptane	10.00	30.00	5000	ND	Pass
n-Hexane	10.00	30.00	290	ND	Pass
Isopropanol	10.00	30.00	5000	ND	Pass
Methanol	10.00	30.00	3000	ND	Pass
Methylene-Chloride	0.10	0.31	1	ND	Pass
1,2-Dichloro-Ethane	0.10	0.29	1	ND	Pass
Pentane	10.00	30.00	5000	<LOQ	Pass
Propane	10.00	30.00	5000	ND	Pass
Toluene	10.00	30.00	890	ND	Pass
Xylenes	20.00	60.00	2170	ND	Pass
Trichloroethene	0.10	0.29	1	ND	Pass

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Microbial Impurities

Method: SOP EL-MICROBIALS

Analytes	Result	Status
Aspergillus flavus	Not Detected in 1g	Pass
Aspergillus fumigatus	Not Detected in 1g	Pass
Aspergillus niger	Not Detected in 1g	Pass
Aspergillus terreus	Not Detected in 1g	Pass
Shiga toxin-producing Escherichia coli	Not Detected in 1g	Pass
Salmonella spp	Not Detected in 1g	Pass

Date Tested: 05/09/2023

Heavy Metals

Method: SOP EL-HEAVYMETALS

Analytes	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.012	0.036	0.200	ND	Pass
Cadmium	0.015	0.044	0.200	ND	Pass
Lead	0.055	0.167	0.500	ND	Pass
Mercury	0.005	0.015	0.100	ND	Pass

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