

# Koi Complete Full Spectrum CBD Tincture | Natural Hemp Flavor (5000 mg)

Sample ID: 2111CSALA7990.2002

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2173BB1123

Produced: 11/18/2021

Collected: 11/19/2021

Received: 11/19/2021

Completed: 11/24/2021

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



## Summary

Pass

<b>5952.8050 mg/serving</b> Total Cannabinoids	<b>Pass</b> Pesticides	<b>Pass</b> Residual Solvents
<b>Pass</b> Microbials	<b>Pass</b> Mycotoxins	<b>Pass</b> Heavy Metals

## Cannabinoids

Pass

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/ml	mg/ml	mg/ml	mg/g
CBD	0.0168	0.0239	176.7490	184.5557
CBG	0.0219	0.0239	7.7658	8.1088
CBC	0.0204	0.0239	6.2985	6.5767
CBT *	0.0201	0.0934	5.2927	5.5265
CBN	0.0235	0.0239	3.6349	3.7954
CBDV	0.0195	0.0239	1.5442	1.6124
CBCA *	0.0212	0.0239	ND	ND
CBDa	0.0127	0.0239	ND	ND
CBDVA *	0.0228	0.0239	ND	ND
CBGa	0.0179	0.0239	ND	ND
THCa	0.0176	0.0239	ND	ND
THCV	0.0232	0.0239	ND	ND
THCVA *	0.0233	0.0239	ND	ND
Δ8-THC	0.0211	0.0239	ND	ND
Δ9-THC	0.0198	0.0239	ND	ND

## Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
β-Myrcene	0.008	0.024	0.1139	1.1393
β-Caryophyllene	0.006	0.0173	0.0646	0.6464
β-Pinene	0.005	0.0147	0.0316	0.3160
α-Pinene	0.006	0.0175	0.0306	0.3061
Terpinolene	0.006	0.0168	0.0288	0.2877
α-Bisabolol	0.01	0.0295	<LOQ	<LOQ
δ-Limonene	0.005	0.0159	0.0206	0.2055
Caryophyllene Oxide	0.029	0.0874	ND	ND
Guaiol	0.011	0.0334	<LOQ	<LOQ
Isopulegol	0.009	0.0282	<LOQ	<LOQ
trans-Nerolidol	0.007	0.0219	<LOQ	<LOQ
α-Humulene	0.006	0.0173	<LOQ	<LOQ
δ-3-Carene	0.005	0.016	ND	ND
Camphene	0.005	0.0163	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
Geraniol	0.007	0.0205	ND	ND
Linalool	0.008	0.0228	ND	ND
Ocimene	0.004	0.0109	ND	ND
p-Cymene	0.005	0.0162	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
<b>Total</b>			<b>0.2901</b>	<b>2.9010</b>

ND

Total THC

5227.1753 mg/serving

Total CBD

Package = 1 Tincture, 1.0 fluid\_ounces; Density = 0.9577 g/ml; 0.0 mg/package

Total THC; 5227.1753 mg/package Total CBD;

Date Tested: 11/23/2021

Total THC = THCa \* 0.877 + d9-THC

Total CBD = CBDa \* 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.

\* Denotes analytes pending ISO-17025 scope addition

Date Tested: 11/22/2021

<b>NT</b> Moisture Moisture Analyzer SOP-103	<b>NT</b> Water Activity Water Activity Meter SOP-102	<b>Pass</b> Foreign Matter Visual Inspection SOP-600 Date Tested: 11/22/2021
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ISO / IEC 17025:2017 ACCREDITED  
LABORATORY  
Accreditation No. 73653

*Neyajourab*

Neyajourabchian  
Laboratory Director  
11/24/2021

*Mikaela Gutierrez*

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COA Review  
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### Pesticides

Testing method: LCMS &amp; GCMS-SOP 301 and 302

**Pass**

Analyte	LOD	LOQ	Limit	Results	Status	Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.037	0.068	0.3	ND	Pass	Fludioxonil	0.05	0.078	30	ND	Pass
Acephate	0.035	0.078	5	ND	Pass	Hexythiazox	0.041	0.078	2	ND	Pass
Acequinocyl	0.033	0.078	4	ND	Pass	Imazalil *	0.047	0.078	0.047	ND	Pass
Acetamiprid	0.034	0.078	5	ND	Pass	Imidacloprid	0.033	0.078	3	ND	Pass
Aldicarb *	0.032	0.078	0.032	ND	Pass	Kresoxim Methyl	0.033	0.078	1	ND	Pass
Azoxystrobin	0.033	0.078	40	ND	Pass	Malathion	0.05	0.078	5	ND	Pass
Bifenazate	0.069	0.078	5	ND	Pass	Metalaxyl	0.036	0.078	15	ND	Pass
Bifenthrin	0.067	0.078	0.5	ND	Pass	Methiocarb *	0.05	0.078	0.05	ND	Pass
Boscalid	0.045	0.078	10	ND	Pass	Methomyl	0.04	0.078	0.1	ND	Pass
Captan	0.3188	0.625	5	ND	Pass	Methyl Parathion *	0.0387	0.0781	0.0387	ND	Pass
Carbaryl	0.04	0.078	0.5	ND	Pass	Mevinphos *	0.034	0.078	0.034	ND	Pass
Carbofuran *	0.034	0.078	0.034	ND	Pass	Myclobutanil	0.062	0.078	9	ND	Pass
Chlorantraniliprole	0.033	0.078	40	ND	Pass	Naled	0.052	0.078	0.5	ND	Pass
Chlordane *	0.0245	0.0781	0.0245	ND	Pass	Oxamyl	0.033	0.078	0.2	ND	Pass
Chlorfenapyr *	0.0178	0.0781	0.0178	ND	Pass	Paclobutrazol *	0.062	0.078	0.062	ND	Pass
Chlorpyrifos *	0.033	0.078	0.033	ND	Pass	Pentachloronitrobenzene	0.0358	0.0781	0.2	ND	Pass
Clofentezine	0.047	0.078	0.5	ND	Pass	Permethrin	0.05	0.078	20	ND	Pass
Coumaphos *	0.041	0.078	0.041	ND	Pass	Phosmet	0.033	0.078	0.2	ND	Pass
Cyfluthrin	0.148	0.156	1	ND	Pass	Piperonyl Butoxide	0.039	0.078	8	ND	Pass
Cypermethrin	0.079	0.156	1	ND	Pass	Prallethrin	0.041	0.078	0.4	ND	Pass
Daminozide *	0.043	0.078	0.043	ND	Pass	Propiconazole	0.04	0.078	20	ND	Pass
DDVP *	0.037	0.078	0.037	ND	Pass	Propoxur *	0.041	0.078	0.041	ND	Pass
Diazinon	0.031	0.078	0.2	ND	Pass	Pyrethrins	0.188	0.22	1	ND	Pass
Dimethoate *	0.028	0.078	0.028	ND	Pass	Pyridaben	0.059	0.078	3	ND	Pass
Dimethomorph	0.033	0.078	20	ND	Pass	Spinetoram	0.042	0.078	3	ND	Pass
Ethoprophos *	0.029	0.078	0.029	ND	Pass	Spinosad	0.038	0.079	3	ND	Pass
Etofenprox *	0.038	0.078	0.038	ND	Pass	Spiromesifen	0.038	0.078	12	ND	Pass
Etoxazole	0.034	0.078	1.5	ND	Pass	Spirotetramat	0.031	0.078	13	ND	Pass
Fenhexamid	0.072	0.078	10	ND	Pass	Spiroxamine *	0.031	0.078	0.031	ND	Pass
Fenoxycarb *	0.028	0.078	0.028	ND	Pass	Tebuconazole	0.034	0.078	2	ND	Pass
Fenpyroximate	0.025	0.078	2	ND	Pass	Thiacloprid *	0.033	0.078	0.033	ND	Pass
Fipronil *	0.057	0.078	0.057	ND	Pass	Thiamethoxam	0.039	0.078	4.5	ND	Pass
Flonicamid	0.043	0.078	2	ND	Pass	Trifloxystrobin	0.039	0.078	30	ND	Pass

Date Tested: 11/23/2021

\* Denotes Category I pesticides, which fail when detected; LOQ = Limit of Quantitation; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected.


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### Microbials

Pass

Testing method: PCR-SOP 401

Analyte	Result	Status
Salmonella	Not Detected	Pass
Shiga toxin-producing E. Coli	Not Detected	Pass

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### Mycotoxins

Pass

Testing method: LCMS-SOP 301

Analyte	LOD	LOQ	Limit	Results	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	2.0	3.9		ND	Tested
Aflatoxin B2	3.0	3.9		ND	Tested
Aflatoxin G1	2.4	3.9		ND	Tested
Aflatoxin G2	3.1	3.9		ND	Tested
Total Aflatoxins	10.5	15.6	20	ND	Pass
Ochratoxin A	6.4	15.5	20	ND	Pass

Date Tested: 11/23/2021

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### Heavy Metals

Pass

Testing method: ICPMS-SOP 502

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.005	0.05	1.5	ND	Pass
Cadmium	0.003	0.05	0.5	ND	Pass
Lead	0.01	0.05	0.5	0.057	Pass
Mercury	0.002	0.05	3	<LOQ	Pass

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### Residual Solvents

Pass

Testing method: HSGCMS-SOP 202

Analyte	LOD	LOQ	Limit	Results	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.08	1.0	1	ND	Pass
Acetone	9.19	50.0	5000	ND	Pass
Acetonitrile	17.49	58.35	410	ND	Pass
Benzene	0.09	1.0	1	ND	Pass
Butane	35.32	117.8	5000	ND	Pass
Chloroform	0.21	1.0	1	ND	Pass
Ethanol	14.96	50.0	5000	<LOQ	Pass
Ethyl acetate	12.8	50.0	5000	ND	Pass
Ethylene Oxide	0.3	1.0	1	ND	Pass
Ethyl ether	16.0	53.36	5000	ND	Pass
Heptane	42.11	140.48	5000	ND	Pass
Isopropyl alcohol	19.79	66.02	5000	ND	Pass
Methanol	149.0	497.01	3000	ND	Pass
Methylene chloride	0.11	1.0	1	ND	Pass
Hexane	33.99	113.37	290	ND	Pass
Pentane	28.08	93.67	5000	ND	Pass
Propane	42.44	141.57	5000	ND	Pass
Toluene	23.99	80.03	890	ND	Pass
Trichloroethylene	0.06	1.0	1	ND	Pass
Total xylenes	65.49	218.45	2170	ND	Pass

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