

# Koi Naturals Hemp Extract CBD Oil Tincture | Orange (250 mg)

Sample ID: 2112CSALA8205.2588

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2267BB1223

Produced: 12/06/2021

Collected: 12/07/2021

Received: 12/07/2021

Completed: 12/10/2021

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650



## Summary

**Pass**

<b>288.8965 mg/package</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/package
CBD	0.0164	0.0234	8.8403	261.4418
CBC	0.02	0.0234	0.2961	8.7574
CBT *	0.0197	0.0914	0.2664	7.8776
CBN	0.023	0.0234	0.1746	5.1642
CBG	0.0215	0.0234	0.1008	2.9820
CBDV	0.0191	0.0234	0.0904	2.6735
CBCA *	0.0207	0.0234	ND	ND
CBDa	0.0125	0.0234	ND	ND
CBDVA *	0.0223	0.0234	ND	ND
CBGa	0.0175	0.0234	ND	ND
THCa	0.0172	0.0234	ND	ND
THCV	0.0227	0.0234	ND	ND
THCVA *	0.0228	0.0234	ND	ND
Δ8-THC	0.0206	0.0234	ND	ND
Δ9-THC	0.0194	0.0234	ND	ND

**ND**
**Total THC**
**261.4418 mg/package**
**Total CBD**

Package = 1 Jar, 1.0 fluid\_ounces; Density = 0.9373 g/ml; 0.0 mg/package Total THC; 261.4418 mg/package Total CBD;

Date Tested: 12/10/2021

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

## Terpenes

**Complete**

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
δ-Limonene	0.005	0.0159	0.0330	0.3298
Caryophyllene Oxide	0.029	0.0874	ND	ND
Guaiol	0.011	0.0334	ND	ND
α-Bisabolol	0.01	0.0295	ND	ND
β-Myrcene	0.008	0.024	ND	ND
Ocimene	0.004	0.0109	<LOQ	<LOQ
Linalool	0.008	0.0228	ND	ND
Camphene	0.005	0.0163	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
Geraniol	0.007	0.0205	ND	ND
Isopulegol	0.009	0.0282	ND	ND
p-Cymene	0.005	0.0162	ND	ND
Terpinolene	0.006	0.0168	ND	ND
trans-Nerolidol	0.007	0.0219	ND	ND
α-Humulene	0.006	0.0173	ND	ND
α-Pinene	0.006	0.0175	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
β-Caryophyllene	0.006	0.0173	ND	ND
β-Pinene	0.005	0.0147	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
δ-3-Carene	0.005	0.016	ND	ND
<b>Total</b>			<b>0.0330</b>	<b>0.3298</b>

Date Tested: 12/07/2021

<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: 12/07/2021
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 ISO / IEC 17025:2017 ACCREDITED  
 LABORATORY  
 Accreditation No. 73653



 Neyajourabian  
 Laboratory Director  
 12/10/2021



 Mikaela Gutierrez  
 COA Review  
 12/10/2021

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange (250 mg)

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### Pesticides

**Pass**

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

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: 12/08/2021

\* 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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 Ney Jourabchian  
 Laboratory Director  
 12/10/2021



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Type: Tincture

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Received: 12/07/2021

Completed: 12/10/2021

Client

Koi CBD

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Norwalk, CA 90650

### Microbials

Pass

Testing method: PCR-SOP 401

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

Date Tested: 12/09/2021

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

### 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: 12/08/2021

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

### 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	<LOQ	Pass
Mercury	0.002	0.05	3	ND	Pass

Date Tested: 12/08/2021

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 Neya Jourabchian  
 Laboratory Director  
 12/10/2021



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Type: Tincture

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Batch Size: 1600 units

Batch#: 2267BB1223

Produced: 12/06/2021

Collected: 12/07/2021

Received: 12/07/2021

Completed: 12/10/2021

Client

**Koi CBD**

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14631 Best Ave

Norwalk, CA 90650

### 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	ND	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

Date Tested: 12/07/2021

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 Neya Jourabchian  
 Laboratory Director  
 12/10/2021



 Mikaela Gutierrez  
 COA Review  
 12/10/2021

# Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (500 mg)

Sample ID: 2201CSALA8676.3666

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2282BB0124

Produced: 01/05/2022

Collected: 01/11/2022

Received: 01/12/2022

Completed: 01/14/2022

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



## Summary

Pass

<b>587.7342 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/g	mg/g	mg/g	mg/serving
CBD	0.0175	0.025	18.7060	530.5407
CBC	0.0213	0.025	0.6248	17.7215
CBT *	0.021	0.0975	0.6188	17.5502
CBN	0.0245	0.025	0.3846	10.9070
CBG	0.0229	0.025	0.2237	6.3450
CBDV	0.0204	0.025	0.1647	4.6699
CBCA *	0.0221	0.025	ND	ND
CBDa	0.0133	0.025	ND	ND
CBDVA *	0.0238	0.025	ND	ND
CBGa	0.0187	0.025	ND	ND
THCa	0.0184	0.025	ND	ND
THCV	0.0242	0.025	ND	ND
THCVA *	0.0243	0.025	ND	ND
Δ8-THC	0.022	0.025	ND	ND
Δ9-THC	0.0207	0.025	ND	ND

## Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
δ-Limonene	0.001	0.002	0.0354	0.3536
α-Bisabolol	0.01	0.002	ND	ND
Caryophyllene Oxide	0.001	0.002	ND	ND
β-Myrcene	0.001	0.002	ND	ND
Linalool	0.0005	0.002	ND	ND
Camphene	0.001	0.002	ND	ND
Eucalyptol	0.001	0.002	ND	ND
Geraniol	0.0005	0.002	ND	ND
Guaiol	0.001	0.002	ND	ND
Isopulegol	0.001	0.002	ND	ND
Ocimene	0.0004	0.001	ND	ND
p-Cymene	0.001	0.002	ND	ND
Terpinolene	0.001	0.002	ND	ND
trans-Nerolidol	0.0003	0.001	ND	ND
α-Humulene	0.001	0.002	ND	ND
α-Pinene	0.001	0.002	ND	ND
α-Terpinene	0.001	0.002	ND	ND
β-Caryophyllene	0.001	0.002	ND	ND
β-Pinene	0.001	0.002	ND	ND
γ-Terpinene	0.001	0.002	ND	ND
δ-3-Carene	0.001	0.002	ND	ND
<b>Total</b>			<b>0.0354</b>	<b>0.3536</b>

<b>ND</b> Total THC	<b>530.5407 mg/serving</b> Total CBD
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Package = 1 Bottle, 30.0 milliliters; Density = 0.9454 g/ml; 0.0 mg/package

Total THC; 530.5407 mg/package Total CBD;

Date Tested: 01/13/2022

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: 01/12/2022

<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: 01/12/2022
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*Neyabourchian*

Neya Jourabchian  
Laboratory Director  
01/14/2022

*Mikaela Gutierrez*

Mikaela Gutierrez  
COA Review  
01/14/2022

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Batch#: 2282BB0124

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Completed: 01/14/2022

Client

**Koi CBD**

Lic. #

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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: 01/12/2022

\* 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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Completed: 01/14/2022

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### Microbials

Pass

Testing method: PCR-SOP 401

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

Date Tested: 01/13/2022

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

### 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: 01/12/2022

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

### 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	<LOQ	Pass
Cadmium	0.003	0.05	0.5	ND	Pass
Lead	0.01	0.05	0.5	<LOQ	Pass
Mercury	0.002	0.05	3	<LOQ	Pass

Date Tested: 01/14/2022

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


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 Neya Jourabchian  
 Laboratory Director  
 01/14/2022



 Mikaela Gutierrez  
 COA Review  
 01/14/2022

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (500 mg)

Sample ID: 2201CSALA8676.3666

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2282BB0124

Produced: 01/05/2022

Collected: 01/11/2022

Received: 01/12/2022

Completed: 01/14/2022

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### 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	ND	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

Date Tested: 01/12/2022

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


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 Accreditation No. 73653



 Neya Jourabchian  
 Laboratory Director  
 01/14/2022



 Mikaela Gutierrez  
 COA Review  
 01/14/2022



# Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (1000 mg)

Sample ID: 2112CSALA8129.2411

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2189BB1123

Produced: 11/08/2021

Collected: 12/02/2021

Received: 12/02/2021

Completed: 12/07/2021

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



## Summary

Pass

<b>1175.9061 mg/package</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/package
CBD	0.0167	0.0238	34.9485	1048.4535
CBT *	0.02	0.0928	1.2946	38.8382
CBC	0.0203	0.0238	1.2942	38.8246
CBN	0.0233	0.0238	1.0015	30.0441
CBG	0.0218	0.0238	0.4667	14.0011
CBDV	0.0194	0.0238	0.1915	5.7447
CBCA *	0.021	0.0238	ND	ND
CBDa	0.0127	0.0238	ND	ND
CBDVA *	0.0227	0.0238	ND	ND
CBGa	0.0178	0.0238	ND	ND
THCa	0.0175	0.0238	ND	ND
THCV	0.023	0.0238	ND	ND
THCVA *	0.0231	0.0238	ND	ND
Δ8-THC	0.0209	0.0238	ND	ND
Δ9-THC	0.0197	0.0238	ND	ND

ND

Total THC

1048.4535 mg/package

Total CBD

Package = 1 Tincture Bottle, 30.0 milliliters; Density = 0.9521 g/ml; 0.0

mg/package Total THC; 1048.4535 mg/package Total CBD;

Date Tested: 12/05/2021

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

## Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
δ-Limonene	0.005	0.0159	0.0352	0.3524
Caryophyllene Oxide	0.029	0.0874	ND	ND
α-Bisabolol	0.01	0.0295	<LOQ	<LOQ
Guaiol	0.011	0.0334	<LOQ	<LOQ
trans-Nerolidol	0.007	0.0219	<LOQ	<LOQ
β-Myrcene	0.008	0.024	<LOQ	<LOQ
Linalool	0.008	0.0228	ND	ND
Camphene	0.005	0.0163	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
Geraniol	0.007	0.0205	ND	ND
Isopulegol	0.009	0.0282	ND	ND
Ocimene	0.004	0.0109	ND	ND
p-Cymene	0.005	0.0162	ND	ND
Terpinolene	0.006	0.0168	ND	ND
α-Humulene	0.006	0.0173	ND	ND
α-Pinene	0.006	0.0175	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
β-Caryophyllene	0.006	0.0173	ND	ND
β-Pinene	0.005	0.0147	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
δ-3-Carene	0.005	0.016	ND	ND
<b>Total</b>			<b>0.0352</b>	<b>0.3524</b>

Date Tested: 12/03/2021

<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: 12/03/2021
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*Neyabchian*

Neyabchian  
Laboratory Director  
12/07/2021

*Mikaela Gutierrez*

Mikaela Gutierrez  
COA Review  
12/07/2021

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (1000 mg)

Sample ID: 2112CSALA8129.2411

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2189BB1123

Produced: 11/08/2021

Collected: 12/02/2021

Received: 12/02/2021

Completed: 12/07/2021

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### 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: 12/03/2021

\* 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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 Neyajourabchian  
 Laboratory Director  
 12/07/2021



 Mikaela Gutierrez  
 COA Review  
 12/07/2021

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (1000 mg)

Sample ID: 2112CSALA8129.2411

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2189BB1123

Produced: 11/08/2021

Collected: 12/02/2021

Received: 12/02/2021

Completed: 12/07/2021

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### Microbials

Pass

Testing method: PCR-SOP 401

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

Date Tested: 12/06/2021

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

### 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: 12/03/2021

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

### 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	ND	Pass
Mercury	0.002	0.05	3	ND	Pass

Date Tested: 12/07/2021

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


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 LABORATORY  
 Accreditation No. 73653



 Neya Jourabchian  
 Laboratory Director  
 12/07/2021



 Mikaela Gutierrez  
 COA Review  
 12/07/2021

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (1000 mg)

Sample ID: 2112CSALA8129.2411

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2189BB1123

Produced: 11/08/2021

Collected: 12/02/2021

Received: 12/02/2021

Completed: 12/07/2021

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### 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

Date Tested: 12/03/2021

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


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 Accreditation No. 73653



 Neya Jourabchian  
 Laboratory Director  
 12/07/2021



 Mikaela Gutierrez  
 COA Review  
 12/07/2021

# Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (2000 mg)

Sample ID: 2201CSALA8676.3667

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2281BB0124

Produced: 01/05/2022

Collected: 01/11/2022

Received: 01/12/2022

Completed: 01/14/2022

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



## Summary

Pass

<b>2456.3045 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/g	mg/g	mg/g	mg/serving
CBD	0.0175	0.025	77.9597	2195.4238
CBT *	0.021	0.0975	2.7946	78.6993
CBC	0.0213	0.025	2.6302	74.0688
CBN	0.0245	0.025	1.6420	46.2415
CBG	0.0229	0.025	1.0868	30.6056
CBDV	0.0204	0.025	0.7039	19.8223
CBCA *	0.0221	0.025	0.2295	6.4637
CBDVA *	0.0238	0.025	0.1153	3.2477
Δ9-THC	0.0207	0.025	0.0615	1.7317
CBDa	0.0133	0.025	<1mg/g	<LOQ
THCa	0.0184	0.025	ND	ND
CBGa	0.0187	0.025	ND	ND
THCV	0.0242	0.025	ND	ND
THCVA *	0.0243	0.025	ND	ND
Δ8-THC	0.022	0.025	ND	ND

<b>1.7317 mg/serving</b> Total THC	<b>2195.4238 mg/serving</b> Total CBD
---------------------------------------	--

Package = 1 Bottle, 30.0 milliliters; Density = 0.9387 g/ml; 1.9653 mg/package

Total THC; 2196.0191 mg/package Total CBD;

Date Tested: 01/13/2022

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

## Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
δ-Limonene	0.001	0.002	0.0368	0.3677
α-Bisabolol	0.01	0.002	ND	ND
Caryophyllene Oxide	0.001	0.002	<LOQ	<LOQ
Guaiol	0.001	0.002	ND	ND
β-Myrcene	0.001	0.002	ND	ND
Linalool	0.0005	0.002	ND	ND
trans-Nerolidol	0.0003	0.001	ND	ND
Camphene	0.001	0.002	ND	ND
Eucalyptol	0.001	0.002	ND	ND
Geraniol	0.0005	0.002	ND	ND
Isopulegol	0.001	0.002	ND	ND
Ocimene	0.0004	0.001	ND	ND
p-Cymene	0.001	0.002	ND	ND
Terpinolene	0.001	0.002	ND	ND
α-Humulene	0.001	0.002	ND	ND
α-Pinene	0.001	0.002	ND	ND
α-Terpinene	0.001	0.002	ND	ND
β-Caryophyllene	0.001	0.002	ND	ND
β-Pinene	0.001	0.002	ND	ND
γ-Terpinene	0.001	0.002	ND	ND
δ-3-Carene	0.001	0.002	ND	ND
<b>Total</b>			<b>0.0406</b>	<b>0.4056</b>

Date Tested: 01/12/2022

<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: 01/12/2022
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*Neyajourab*

Neya Jourabchian  
Laboratory Director  
01/14/2022

*Mikaela Gutierrez*

Mikaela Gutierrez  
COA Review  
01/14/2022

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (2000 mg)

Sample ID: 2201CSALA8676.3667

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2281BB0124

Produced: 01/05/2022

Collected: 01/11/2022

Received: 01/12/2022

Completed: 01/14/2022

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650

### Pesticides

Testing method: LCMS & 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: 01/12/2022

\* 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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LABORATORY  
Accreditation No. 73653



Neyajourabchian  
Laboratory Director  
01/14/2022



Mikaela Gutierrez  
COA Review  
01/14/2022

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (2000 mg)

Sample ID: 2201CSALA8676.3667

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2281BB0124

Produced: 01/05/2022

Collected: 01/11/2022

Received: 01/12/2022

Completed: 01/14/2022

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### Microbials

Pass

Testing method: PCR-SOP 401

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

Date Tested: 01/13/2022

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

### 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: 01/12/2022

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

### 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	<LOQ	Pass
Cadmium	0.003	0.05	0.5	ND	Pass
Lead	0.01	0.05	0.5	ND	Pass
Mercury	0.002	0.05	3	<LOQ	Pass

Date Tested: 01/14/2022

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


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 Neya Jourabchian  
 Laboratory Director  
 01/14/2022



 Mikaela Gutierrez  
 COA Review  
 01/14/2022

## Koi Naturals Hemp Extract CBD Oil Tincture | Orange Flavor (2000 mg)

Sample ID: 2201CSALA8676.3667

Matrix: Concentrates &amp; Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2281BB0124

Produced: 01/05/2022

Collected: 01/11/2022

Received: 01/12/2022

Completed: 01/14/2022

Client

**Koi CBD**

Lic. #

14631 Best Ave

Norwalk, CA 90650

### 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	<LOQ	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	<LOQ	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

Date Tested: 01/12/2022

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


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