

Spearmint

Overall Status: Pass

Sample ID: 2012NIVA0521.1487
Strain: Spearmint 250mg
Matrix: Ingestible
Type: Tincture
Sample Size: ; Batch Size:

Produced:
Collected: 07/19/2022
Received: 07/19/2022
Completed: 07/22/2022
Batch#: 1709BB1222

Client
Koi CBD
Lic. #
14631 Best Ave
Norwalk, CA 90650

	Pass Foreign Matter <small>SOPTS.4.001</small>	Pass Heavy Metals <small>SOPTS.4.500 ICP-MS</small>	Not Tested Moisture <small>SOPTS.4.001</small>	Pass Pesticides <small>SOPTS.4.301 GC-MS/MS SOPTS.4.300 LC-MS/MS</small>
	Pass Microbials <small>SOPTS.4.600 PathogenDx</small>	Pass Solvents <small>SOPTS.4.400 GC-MS</small>	Pass 0.50 aw Water Activity <small>SOPTS.4.003</small>	Pass Mycotoxins <small>SOPTS.4.300 LC-MS/MS</small>

Cannabinoids (SOPTS.4.100 HPLC Analysis)

ND ND Total THC	10.051 mg/serving 9.116 mg/mL Total CBD	11.199 mg/serving 10.158 mg/mL Total Cannabinoids	NT Moisture
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Analyte	LOD mg/g	LOQ mg/g	Mass mg/mL	Mass %	Mass mg/serving	Mass mg/package
CBD	0.0030	0.0100	9.116	0.97	10.05	301.52
CBG	0.0030	0.0100	0.535	0.06	0.59	17.70
CBC	0.0030	0.0100	0.271	0.03	0.30	8.97
CBN	0.0030	0.0100	0.182	0.02	0.20	6.01
CBDV	0.0030	0.0100	0.054	0.01	0.06	1.78
CBDa	0.0030	0.0100	ND	ND	ND	ND
CBGa	0.0030	0.0100	ND	ND	ND	ND
THCa	0.0030	0.0100	ND	ND	ND	ND
THCV	0.0030	0.0100	ND	ND	ND	ND
Δ8-THC	0.0030	0.0100	ND	ND	ND	ND
Δ9-THC	0.0030	0.0100	ND	ND	ND	ND
Total THC			ND	ND	ND	ND
Total CBD			9.116	0.968	10.051	301.522
Total				1.0783	11.199	335.983

Density: 0.942g per 1 mL

Cannabinoids Date Tested: 07/20/2022

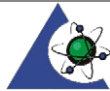
Total THC = (THCa x 0.877) + Δ9-THC; Total CBD = (CBDa x 0.877) + CBD; LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested; Cured plant material reported as moisture-corrected % dry weight, other sample types reported "as is." Unless otherwise stated, all quality control samples performed within specifications established by the Laboratory. Analytical Instrumentation: Agilent 1260 HPLC.

Water Activity Analytical Instrumentation: Rotronic HCW HC2-AW-USB Water Activity Meter. Water Activity Analysis Date:

07/20/2022

Foreign Material Analytical Instrumentation: Illuminated Magnifying Lens. Foreign Material Analysis Date:

07/20/2022



Accreditation #101219
ISO/IEC 17025:2017

Kris Marsh

Kris Marsh
Lab Director
07/22/2022

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Lic# C8-0000024-LIC

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Microbials

Pass

Analyte	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 E. Coli	Not Detected in 1g	Pass
Salmonella SPP	Not Detected in 1g	Pass

Date Tested: 07/20/2022

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Mycotoxins

Pass

Analyte	LOD µg/kg	LOQ µg/kg	Limit µg/kg	Units µg/kg	Status
B1	4.00	5.00		ND	Tested
B2	4.00	5.00		ND	Tested
G1	4.00	5.00		ND	Tested
G2	4.00	5.00		ND	Tested
Total Aflatoxins			20.00	ND	Pass
Ochratoxin A	16	20	20.00	ND	Pass

Date Tested: 07/20/2022

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Heavy Metals

Pass

Analyte	LOD µg/g	LOQ µg/g	Limit µg/g	Units µg/g	Status
Arsenic	0.009	0.090	1.500	ND	Pass
Cadmium	0.009	0.090	0.500	ND	Pass
Lead	0.009	0.090	0.500	ND	Pass
Mercury	0.005	0.020	3.000	ND	Pass

Date Tested: 07/20/2022

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Kris Marsh

Kris Marsh
Lab Director
07/22/2022

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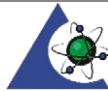
Client
Koi CBD
Lic. #
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Norwalk, CA 90650

Pesticides

Pass

Analyte	LOD	LOQ	Limit	Mass	Status	Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.040	0.050	0.30	ND	Pass	Fludioxonil	0.040	0.050	30.00	ND	Pass
Acephate	0.050	0.100	5.00	ND	Pass	Hexythiazox	0.010	0.020	2.00	ND	Pass
Acequinocyl	0.040	0.050	4.00	ND	Pass	Imazalil	0.040	0.050	0.04	ND	Pass
Acetamiprid	0.010	0.020	5.00	ND	Pass	Imidacloprid	0.010	0.020	3.00	ND	Pass
Aldicarb	0.010	0.020	0.01	ND	Pass	Kresoxim Methyl	0.020	0.050	1.00	ND	Pass
Azoxystrobin	0.010	0.020	40.00	ND	Pass	Malathion	0.010	0.020	5.00	ND	Pass
Bifenazate	0.010	0.020	5.00	ND	Pass	Metalaxyl	0.010	0.020	15.00	ND	Pass
Bifenthrin	0.010	0.020	0.50	ND	Pass	Methiocarb	0.010	0.020	0.01	ND	Pass
Boscalid	0.040	0.050	10.00	ND	Pass	Methomyl	0.010	0.020	0.10	ND	Pass
Captan	0.100	0.100	5.00	ND	Pass	Mevinphos	0.018	0.045	0.02	ND	Pass
Carbaryl	0.020	0.050	0.50	ND	Pass	Myclobutanil	0.040	0.050	9.00	ND	Pass
Carbofuran	0.010	0.020	0.01	ND	Pass	Naled	0.040	0.050	0.50	ND	Pass
Chlorantraniliprole	0.040	0.050	40.00	ND	Pass	Oxamyl	0.010	0.020	0.20	ND	Pass
Chlordane	0.030	0.050	0.03	ND	Pass	Paclobutrazol	0.040	0.050	0.04	ND	Pass
Chlorfenapyr	0.030	0.050	0.03	ND	Pass	Parathion Methyl	0.030	0.050	0.03	ND	Pass
Chlorpyrifos	0.020	0.050	0.02	ND	Pass	Pentachloronitrobenzene	0.030	0.050	0.20	ND	Pass
Clofentazine	0.010	0.020	0.50	ND	Pass	Permethrin	0.020	0.050	20.00	ND	Pass
Coumaphos	0.050	0.100	0.05	ND	Pass	Phosmet	0.010	0.020	0.20	ND	Pass
Cyfluthrin	0.050	0.100	1.00	ND	Pass	Piperonyl Butoxide	0.010	0.020	8.00	ND	Pass
Cypermethrin	0.050	0.100	1.00	ND	Pass	Prallethrin	0.040	0.050	0.40	ND	Pass
Daminozide	0.040	0.050	0.04	ND	Pass	Propiconazole	0.040	0.050	20.00	ND	Pass
Diazinon	0.010	0.020	0.20	ND	Pass	Propoxur	0.010	0.020	0.01	ND	Pass
Dichlorvos	0.050	0.100	0.05	ND	Pass	Pyrethrins	0.042	0.084	1.00	ND	Pass
Dimethoate	0.010	0.020	0.01	ND	Pass	Pyridaben	0.030	0.050	3.00	ND	Pass
Dimethomorph	0.020	0.050	20.00	ND	Pass	Spinetoram	0.041	0.061	3.00	ND	Pass
Ethoprophos	0.010	0.020	0.01	ND	Pass	Spinosad	0.019	0.048	3.00	ND	Pass
Etofenprox	0.010	0.020	0.01	ND	Pass	Spiromesifen	0.010	0.020	12.00	ND	Pass
Etoxazole	0.010	0.020	1.50	ND	Pass	Spirotetramat	0.020	0.050	13.00	ND	Pass
Fenhexamid	0.040	0.050	10.00	ND	Pass	Spiroxamine	0.010	0.020	0.01	ND	Pass
Fenoxycarb	0.010	0.020	0.01	ND	Pass	Tebuconazole	0.050	0.100	2.00	ND	Pass
Fenpyroximate	0.010	0.020	2.00	ND	Pass	Thiacloprid	0.010	0.020	0.01	ND	Pass
Fipronil	0.040	0.050	0.04	ND	Pass	Thiamethoxam	0.010	0.020	4.50	ND	Pass
Fonicamid	0.010	0.020	2.00	ND	Pass	Trifloxystrobin	0.010	0.020	30.00	ND	Pass

Date Tested: 07/20/2022
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Kris Marsh

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QA Testing

4 of 5

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Residual Solvents

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloroethane	0.25	0.50	1.000	ND	Pass
Acetone	5.0	10	5000.000	ND	Pass
Acetonitrile	5.0	10	410.000	ND	Pass
Benzene	0.25	0.50	1.000	ND	Pass
Butane	5.0	10	5000.000	ND	Pass
Chloroform	0.25	0.50	1.000	ND	Pass
Ethanol	5.0	10	5000.000	ND	Pass
Ethyl-Acetate	5.0	10	5000.000	ND	Pass
Ethyl-Ether	5.0	10	5000.000	ND	Pass
Ethylene Oxide	0.50	1.0	1.000	ND	Pass
Heptane	5.0	10	5000.000	11.652	Pass
Isopropanol	5.0	10	5000.000	ND	Pass
Methanol	5.0	10	3000.000	ND	Pass
Methylene Chloride	0.25	0.50	1.000	ND	Pass
n-Hexane	5.0	10	290.000	ND	Pass
Pentane	5.0	10	5000.000	ND	Pass
Propane	5.0	10	5000.000	ND	Pass
Toluene	5.0	10	890.000	ND	Pass
Trichloroethene	0.25	0.50	1.000	ND	Pass
Xylenes	5.0	10	2170.000	ND	Pass

Date Tested: 07/20/2022 LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected; NT = Not Tested;
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07/22/2022

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Terpenes

Analyte	LOD	LOQ	Mass	Mass
	mg/g	mg/g	mg/g	%
δ-Limonene	0.03	0.10	2.99	0.299
β-Pinene	0.03	0.10	0.25	0.025
α-Pinene	0.03	0.10	0.18	0.018
α-Bisabolol	0.03	0.10	ND	ND
α-Humulene	0.03	0.10	ND	ND
α-Terpinene	0.03	0.10	ND	ND
β-Caryophyllene	0.03	0.10	<LOQ	<LOQ
β-Myrcene	0.03	0.10	<LOQ	<LOQ
Camphene	0.03	0.10	ND	ND
Caryophyllene Oxide	0.03	0.10	ND	ND
cis-Nerolidol	0.03	0.10	ND	ND
δ-3-Carene	0.03	0.10	ND	ND
Eucalyptol	0.03	0.10	<LOQ	<LOQ
γ-Terpinene	0.03	0.10	<LOQ	<LOQ
Guaiol	0.03	0.10	ND	ND
Isopulegol	0.03	0.10	ND	ND
Linalool	0.03	0.10	ND	ND
Ocimene	0.03	0.10	ND	ND
p-Cymene	0.03	0.10	<LOQ	<LOQ
Terpinolene	0.03	0.10	<LOQ	<LOQ
trans-Nerolidol	0.03	0.10	ND	ND
Total			3.42	0.342

Primary Aromas



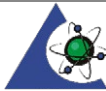
Orange



Pine

Date Tested: 07/20/2022

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This terpenes method has not yet been evaluated for ISO/IEC 17025 accreditation.



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Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (500 mg)

Sample ID: 2112CSALA8205.2587

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2266BB1223

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

609.3438 mg/package Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Pass Mycotoxins	Pass Heavy Metals

Cannabinoids

Pass

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/ml	mg/ml	mg/ml	mg/package
CBD	0.0165	0.0236	18.2122	546.3650
CBT *	0.0198	0.0919	0.7424	22.2719
CBC	0.0201	0.0236	0.6143	18.4284
CBN	0.0231	0.0236	0.3720	11.1595
CBG	0.0216	0.0236	0.2126	6.3788
CBDV	0.0192	0.0236	0.1580	4.7403
CBCA *	0.0208	0.0236	ND	ND
CBDa	0.0125	0.0236	ND	ND
CBDVA *	0.0224	0.0236	ND	ND
CBGa	0.0176	0.0236	ND	ND
THCa	0.0173	0.0236	ND	ND
THCV	0.0228	0.0236	ND	ND
THCVA *	0.0229	0.0236	ND	ND
Δ8-THC	0.0207	0.0236	ND	ND
Δ9-THC	0.0195	0.0236	ND	ND

ND

Total THC

546.3650 mg/package

Total CBD

Package = 1 Jar, 30.0 milliliters; Density = 0.9423 g/ml; 0.0 mg/package Total THC; 546.365 mg/package Total CBD;

Date Tested: 12/09/2021

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	0.1493	1.4930
Caryophyllene Oxide	0.029	0.0874	ND	ND
β-Myrcene	0.008	0.024	<LOQ	<LOQ
β-Pinene	0.005	0.0147	<LOQ	<LOQ
α-Pinene	0.006	0.0175	<LOQ	<LOQ
Isopulegol	0.009	0.0282	<LOQ	<LOQ
Guaiol	0.011	0.0334	<LOQ	<LOQ
α-Bisabolol	0.01	0.0295	<LOQ	<LOQ
Geraniol	0.007	0.0205	<LOQ	<LOQ
Ocimene	0.004	0.0109	<LOQ	<LOQ
Linalool	0.008	0.0228	ND	ND
β-Caryophyllene	0.006	0.0173	ND	ND
α-Humulene	0.006	0.0173	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
Terpinolene	0.006	0.0168	ND	ND
p-Cymene	0.005	0.0162	ND	ND
δ-3-Carene	0.005	0.016	ND	ND
Camphene	0.005	0.0163	ND	ND
trans-Nerolidol	0.007	0.0219	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
Total			0.1493	1.4930

Date Tested: 12/07/2021

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 12/07/2021
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ISO / IEC 17025:2017 ACCREDITED
LABORATORY
Accreditation No. 73653

Neyajourab

Neyajourabchian
Laboratory Director
12/10/2021

Mikaela Gutierrez

Mikaela Gutierrez
COA Review
12/10/2021

Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (500 mg)

Sample ID: 2112CSALA8205.2587

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

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Completed: 12/10/2021

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650

Pesticides

Pass

Testing method: LCMS & 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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 Accreditation No. 73653

 Ney Jourabchian
 Laboratory Director
 12/10/2021

 Mikaela Gutierrez
 COA Review
 12/10/2021

Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (500 mg)

Sample ID: 2112CSALA8205.2587

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2266BB1223

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

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	ND	Pass
Mercury	0.002	0.05	3	ND	Pass

Date Tested: 12/08/2021

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


 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653

 Neya Jourabchian
 Laboratory Director
 12/10/2021

 Mikaela Gutierrez
 COA Review
 12/10/2021

Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (500 mg)

Sample ID: 2112CSALA8205.2587

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2266BB1223

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

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

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


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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 | Spearmint Flavor (1000 mg)

Sample ID: 2112CSALA8355.2996

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2279BB1223

Produced: 12/15/2021

Collected: 12/16/2021

Received: 12/16/2021

Completed: 12/20/2021

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



Summary

Pass

1213.4828 mg/package Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Pass Mycotoxins	Pass Heavy Metals

Cannabinoids

Pass

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/ml	mg/ml	mg/ml	mg/package
CBD	0.0166	0.0237	36.3328	1089.9840
CBT *	0.0199	0.0925	1.3074	39.2211
CBC	0.0202	0.0237	1.2211	36.6337
CBN	0.0232	0.0237	0.7635	22.9039
CBG	0.0217	0.0237	0.4792	14.3767
CBDV	0.0194	0.0237	0.3454	10.3634
CBCA *	0.021	0.0237	ND	ND
CBDa	0.0126	0.0237	ND	ND
CBDVA *	0.0226	0.0237	ND	ND
CBGa	0.0177	0.0237	ND	ND
THCa	0.0175	0.0237	ND	ND
THCV	0.023	0.0237	ND	ND
THCVA *	0.0231	0.0237	ND	ND
Δ8-THC	0.0209	0.0237	ND	ND
Δ9-THC	0.0196	0.0237	ND	ND

ND

Total THC

1089.9840 mg/package

Total CBD

Package = 1 Tincture Bottle, 30.0 milliliters; Density = 0.9488 g/ml; 0.0

mg/package Total THC; 1089.984 mg/package Total CBD;

Date Tested: 12/19/2021

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	0.0988	0.9881
β-Pinene	0.005	0.0147	<LOQ	<LOQ
Caryophyllene Oxide	0.029	0.0874	ND	ND
β-Myrcene	0.008	0.024	<LOQ	<LOQ
α-Pinene	0.006	0.0175	<LOQ	<LOQ
α-Bisabolol	0.01	0.0295	ND	ND
p-Cymene	0.005	0.0162	ND	ND
Guaiol	0.011	0.0334	ND	ND
Isopulegol	0.009	0.0282	ND	ND
trans-Nerolidol	0.007	0.0219	ND	ND
β-Caryophyllene	0.006	0.0173	ND	ND
Terpinolene	0.006	0.0168	ND	ND
δ-3-Carene	0.005	0.016	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
Ocimene	0.004	0.0109	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
α-Humulene	0.006	0.0173	ND	ND
Total			0.0988	0.9881

Date Tested: 12/17/2021

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 12/17/2021
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LABORATORY
Accreditation No. 73653

Neyabchian

Neyabchian
Laboratory Director
12/20/2021

Mikaela Gutierrez

Mikaela Gutierrez
COA Review
12/20/2021

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

Sample ID: 2112CSALA8355.2996

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2279BB1223

Produced: 12/15/2021

Collected: 12/16/2021

Received: 12/16/2021

Completed: 12/20/2021

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: 12/17/2021

* 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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 LABORATORY
 Accreditation No. 73653

 Ney Jourabchian
 Laboratory Director
 12/20/2021

 Mikaela Gutierrez
 COA Review
 12/20/2021

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

Sample ID: 2112CSALA8355.2996

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2279BB1223

Produced: 12/15/2021

Collected: 12/16/2021

Received: 12/16/2021

Completed: 12/20/2021

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: 12/20/2021

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: 12/17/2021

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	<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: 12/17/2021

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
 12/20/2021

 Mikaela Gutierrez
 COA Review
 12/20/2021

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

Sample ID: 2112CSALA8355.2996

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 1600 units

Batch#: 2279BB1223

Produced: 12/15/2021

Collected: 12/16/2021

Received: 12/16/2021

Completed: 12/20/2021

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: 12/17/2021

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
 12/20/2021



 Mikaela Gutierrez
 COA Review
 12/20/2021

Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (2000 mg)

Sample ID: 2112CSALA8129.2413

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2191BB1123

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

2414.5124 mg/package Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Pass Mycotoxins	Pass Heavy Metals

Cannabinoids

Pass

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/ml	mg/ml	mg/ml	mg/package
CBD	0.0168	0.0241	73.1506	2194.5188
CBT *	0.0202	0.0938	2.5807	77.4199
CBC	0.0205	0.0241	2.5387	76.1618
CBN	0.0236	0.0241	1.5209	45.6258
CBDV	0.0196	0.0241	0.5969	17.9065
CBG	0.022	0.0241	0.0960	2.8796
CBCA *	0.0213	0.0241	ND	ND
CBDa	0.0128	0.0241	ND	ND
CBDVA *	0.0229	0.0241	ND	ND
CBGa	0.018	0.0241	ND	ND
THCa	0.0177	0.0241	ND	ND
THCV	0.0233	0.0241	ND	ND
THCVA *	0.0234	0.0241	ND	ND
Δ8-THC	0.0212	0.0241	ND	ND
Δ9-THC	0.0199	0.0241	ND	ND

ND

Total THC

2194.5188 mg/package

Total CBD

Package = 1 Tincture Bottle, 30.0 milliliters; Density = 0.962 g/ml; 0.0

mg/package Total THC; 2194.5188 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	0.1668	1.6685
Caryophyllene Oxide	0.029	0.0874	ND	ND
α-Bisabolol	0.01	0.0295	<LOQ	<LOQ
Guaiol	0.011	0.0334	<LOQ	<LOQ
Isopulegol	0.009	0.0282	<LOQ	<LOQ
β-Pinene	0.005	0.0147	<LOQ	<LOQ
β-Myrcene	0.008	0.024	<LOQ	<LOQ
α-Pinene	0.006	0.0175	<LOQ	<LOQ
trans-Nerolidol	0.007	0.0219	<LOQ	<LOQ
β-Caryophyllene	0.006	0.0173	ND	ND
Eucalyptol	0.006	0.0175	ND	ND
p-Cymene	0.005	0.0162	ND	ND
Camphene	0.005	0.0163	ND	ND
Geraniol	0.007	0.0205	ND	ND
Linalool	0.008	0.0228	ND	ND
Ocimene	0.004	0.0109	ND	ND
Terpinolene	0.006	0.0168	ND	ND
α-Humulene	0.006	0.0173	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
δ-3-Carene	0.005	0.016	ND	ND
Total			0.1668	1.6685

Date Tested: 12/03/2021

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 12/03/2021
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LABORATORY
Accreditation No. 73653

Neyabourchian

Neyabourchian
Laboratory Director
12/07/2021

Mikaela Gutierrez

Mikaela Gutierrez
COA Review
12/07/2021

Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (2000 mg)

Sample ID: 2112CSALA8129.2413

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2191BB1123

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 & 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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 Laboratory Director
 12/07/2021

 Mikaela Gutierrez
 COA Review
 12/07/2021

Koi Naturals Hemp Extract CBD Oil Tincture | Spearmint Flavored (2000 mg)

Sample ID: 2112CSALA8129.2413

Matrix: Concentrates & Extracts

Type: Tincture

Sample Size: 1 units

Batch Size: 600 units

Batch#: 2191BB1123

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

Testing method: PCR-SOP 401

Pass

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

Testing method: LCMS-SOP 301

Pass

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

Testing method: ICPMS-SOP 502

Pass

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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Matrix: Concentrates & Extracts

Type: Tincture

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Batch#: 2191BB1123

Produced: 11/08/2021

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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	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: 12/03/2021

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


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