

Koi Naturals Hemp Extract | CBD Pocket Balm (150 mg)

Sample ID: 2202CSALA9131.4694

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size: 2400 units

Batch#: 2318BB0224

Produced: 02/15/2022

Collected: 02/15/2022

Received: 02/16/2022

Completed: 02/18/2022

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



Summary

Pass

12.6948 mg/g 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/g	mg/g	mg/g	mg/package
CBD	0.0175	0.025	11.3233	158.5259
CBT	0.021	0.0975	0.4268	5.9748
CBC	0.0213	0.025	0.3808	5.3314
CBG	0.0229	0.025	0.2944	4.1211
CBN	0.0245	0.025	0.2695	3.7734
CBCA	0.0221	0.025	ND	ND
CBDa	0.0133	0.025	ND	ND
CBDV	0.0204	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

ND

Total THC

11.3233 mg/g

Total CBD

Package = 1 Tin, 14.0 grams; 0.0 mg/package Total THC; 158.5259 mg/package

Total CBD; 0.0 mg/g Total THC; 11.3233 mg/g Total CBD;

Date Tested: 02/16/2022

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.

Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	mg/g	%
Eucalyptol	0.01	0.02	6.3930	0.6393
Linalool	0.005	0.02	1.3149	0.1315
δ-Limonene	0.01	0.02	0.8825	0.0882
β-Caryophyllene	0.01	0.02	0.6230	0.0623
α-Pinene	0.01	0.02	0.5072	0.0507
β-Pinene	0.01	0.02	0.3259	0.0326
β-Myrcene	0.01	0.02	0.1904	0.0190
Camphene	0.01	0.02	0.1534	0.0153
δ-3-Carene	0.01	0.02	0.1345	0.0135
trans-Nerolidol	0.003	0.01	0.0745	0.0074
α-Terpinene	0.01	0.02	0.0519	0.0052
α-Bisabolol	0.01	0.02	0.0399	0.0040
Caryophyllene Oxide	0.01	0.02	0.0385	0.0039
Terpinolene	0.01	0.02	0.0373	0.0037
α-Humulene	0.01	0.02	0.0370	0.0037
Isopulegol	0.01	0.02	<LOQ	<LOQ
Geraniol	0.005	0.02	<LOQ	<LOQ
Guaiol	0.01	0.02	ND	ND
Ocimene	0.004	0.01	ND	ND
p-Cymene	0.01	0.02	ND	ND
γ-Terpinene	0.01	0.02	ND	ND
Total			10.8039	1.0804

Date Tested: 02/17/2022

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 02/16/2022
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LABORATORY
Accreditation No. 73653

Neyabachian

Neyabachian
Laboratory Director
02/18/2022

Mikaela Gutierrez

Mikaela Gutierrez
COA Review
02/18/2022

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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	0.53	0.625	5	ND	Pass	Methyl Parathion *	0.052	0.078	0.052	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
Chlorantranilprole	0.033	0.078	40	ND	Pass	Naled	0.052	0.078	0.5	ND	Pass
Chlordane *	0.067	0.078	0.067	ND	Pass	Oxamyl	0.033	0.078	0.2	ND	Pass
Chlorfenapyr *	0.067	0.078	0.067	ND	Pass	Paclobutrazol *	0.062	0.078	0.062	ND	Pass
Chlorpyrifos *	0.033	0.078	0.033	ND	Pass	Pentachloronitrobenzene	0.071	0.078	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
Fonicamid	0.043	0.078	2	ND	Pass	Trifloxystrobin	0.039	0.078	30	ND	Pass

Date Tested: 02/16/2022

* 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 Director
 02/18/2022



 Mikaela Gutierrez
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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

Date Tested: 02/17/2022

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: 02/16/2022

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: 02/16/2022

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 Neya Jourabchian
 Laboratory Director
 02/18/2022

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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		<LOQ	Tested
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		ND	Tested
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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 Mikaela Gutierrez
 COA Review
 02/18/2022

Koi Naturals Hemp Extract | CBD Balm (500 mg)

Sample ID: 2111CSALA7991.2008

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size:

Batch#: 2188BB1123

Produced: 11/17/2021

Collected: 11/19/2021

Received: 11/19/2021

Completed: 11/24/2021

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



Summary

Pass

568.9110 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/g	mg/g	mg/g	mg/package
CBD	0.0175	0.025	11.4281	514.2637
CBT *	0.021	0.0975	0.4742	21.3390
CBC	0.0213	0.025	0.4142	18.6370
CBN	0.0245	0.025	0.3260	14.6712
CBCA *	0.0221	0.025	ND	ND
CBDa	0.0133	0.025	ND	ND
CBDV	0.0204	0.025	ND	ND
CBDVA *	0.0238	0.025	ND	ND
CBG	0.0229	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

ND

Total THC

514.2637 mg/package

Total CBD

Package = 1 Jar, 45.0 grams; 0.0 mg/package Total THC; 514.2637 mg/package Total CBD;

Date Tested: 11/24/2021

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
Eucalyptol	0.006	0.0175	0.6869	6.8692
Linalool	0.008	0.0228	0.1451	1.4514
δ-Limonene	0.005	0.0159	0.0899	0.8992
β-Caryophyllene	0.006	0.0173	0.0718	0.7180
α-Pinene	0.006	0.0175	0.0483	0.4828
β-Pinene	0.005	0.0147	0.0311	0.3111
β-Myrcene	0.008	0.024	0.0298	0.2983
Caryophyllene Oxide	0.029	0.0874	ND	ND
trans-Nerolidol	0.007	0.0219	<LOQ	<LOQ
α-Bisabolol	0.01	0.0295	<LOQ	<LOQ
Isopulegol	0.009	0.0282	<LOQ	<LOQ
Guaiol	0.011	0.0334	<LOQ	<LOQ
δ-3-Carene	0.005	0.016	<LOQ	<LOQ
Camphene	0.005	0.0163	<LOQ	<LOQ
Geraniol	0.007	0.0205	<LOQ	<LOQ
α-Humulene	0.006	0.0173	ND	ND
Terpinolene	0.006	0.0168	ND	ND
α-Terpinene	0.005	0.0165	ND	ND
Ocimene	0.004	0.0109	ND	ND
p-Cymene	0.005	0.0162	ND	ND
γ-Terpinene	0.006	0.0168	ND	ND
Total			1.1030	11.0300

Date Tested: 11/22/2021

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 11/22/2021
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Neyajourabian

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Laboratory Director
11/24/2021

Mikaela Gutierrez

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COA Review
11/24/2021

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Batch Size:

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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: 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

Date Tested: 11/23/2021

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: 11/23/2021

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	<LOQ	Pass

Date Tested: 11/22/2021

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
 11/24/2021

 Mikaela Gutierrez
 COA Review
 11/24/2021

Koi Naturals Hemp Extract | CBD Balm (500 mg)

Sample ID: 2111CSALA7991.2008

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size:

Batch#: 2188BB1123

Produced: 11/17/2021

Collected: 11/19/2021

Received: 11/19/2021

Completed: 11/24/2021

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		<LOQ	Tested
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		ND	Tested
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: 11/22/2021

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


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 Neya Jourabchian
 Laboratory Director
 11/24/2021

 Mikaela Gutierrez
 COA Review
 11/24/2021

Koi Naturals Hemp Extract | CBD Balm (1000 mg)

Sample ID: 2205CSALA0345.7330

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size: 2500 units

Batch#: 2393BB0524

Produced: 05/10/2022

Collected: 05/10/2022

Received: 05/11/2022

Completed: 05/12/2022

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA 90650



Summary

Pass

1082.9029 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/g	mg/g	mg/g	mg/package
CBD	0.0175	0.025	22.2023	999.1014
CBT	0.021	0.0975	0.7042	31.6889
CBDV	0.0204	0.025	0.3485	15.6838
CBN	0.0245	0.025	0.2993	13.4700
CBG	0.0229	0.025	0.2777	12.4970
CBC	0.0213	0.025	0.2325	10.4618
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

ND Total THC	999.1014 mg/package Total CBD
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Package = 1 Jar, 45.0 grams; 0.0 mg/package Total THC; 999.1014 mg/package

Total CBD; 0.0 mg/g Total THC; 22.2023 mg/g Total CBD;

Date Tested: 05/12/2022

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.

Terpenes

Complete

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	mg/g	%
Eucalyptol	0.01	0.02	7.1847	0.7185
Linalool	0.005	0.02	1.5970	0.1597
δ-Limonene	0.01	0.02	0.9894	0.0989
β-Caryophyllene	0.01	0.02	0.6053	0.0605
α-Pinene	0.01	0.02	0.5215	0.0522
β-Pinene	0.01	0.02	0.3603	0.0360
β-Myrcene	0.01	0.02	0.2449	0.0245
Camphene	0.01	0.02	0.1574	0.0157
δ-3-Carene	0.01	0.02	0.1426	0.0143
trans-Nerolidol	0.003	0.01	0.0817	0.0082
Caryophyllene Oxide	0.01	0.02	0.0702	0.0070
α-Terpinene	0.01	0.02	0.0492	0.0049
α-Bisabolol	0.01	0.02	0.0354	0.0035
Terpinolene	0.01	0.02	0.0301	0.0030
Isopulegol	0.01	0.02	0.0299	0.0030
α-Humulene	0.01	0.02	0.0281	0.0028
Guaiol	0.01	0.02	0.0251	0.0025
Geraniol	0.005	0.02	0.0223	0.0022
Ocimene	0.004	0.01	ND	ND
p-Cymene	0.01	0.02	ND	ND
γ-Terpinene	0.01	0.02	ND	ND
Total			12.1752	1.2175

Date Tested: 05/11/2022

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Pass Foreign Matter Visual Inspection SOP-600 Date Tested: 05/11/2022
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LABORATORY
Accreditation No. 73653

Ini Afia
Chief Science Officer
05/12/2022

Neya Jourabchian
COA Review
05/12/2022

Koi Naturals Hemp Extract | CBD Balm (1000 mg)

Sample ID: 2205CSALA0345.7330

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size: 2500 units

Batch#: 2393BB0524

Produced: 05/10/2022

Collected: 05/10/2022

Received: 05/11/2022

Completed: 05/12/2022

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	0.53	0.625	5	ND	Pass	Methyl Parathion *	0.052	0.078	0.052	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 *	0.067	0.078	0.067	ND	Pass	Oxamyl	0.033	0.078	0.2	ND	Pass
Chlorfenapyr *	0.067	0.078	0.067	ND	Pass	Paclobutrazol *	0.062	0.078	0.062	ND	Pass
Chlorpyrifos *	0.033	0.078	0.033	ND	Pass	Pentachloronitrobenzene	0.071	0.078	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
Fonicamid	0.043	0.078	2	ND	Pass	Trifloxystrobin	0.039	0.078	30	ND	Pass

Date Tested: 05/11/2022

* 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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 Ini Afia
 Chief Science Officer
 05/12/2022

 Neya Jourabchian
 COA Review
 05/12/2022

Koi Naturals Hemp Extract | CBD Balm (1000 mg)

Sample ID: 2205CSALA0345.7330

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size: 2500 units

Batch#: 2393BB0524

Produced: 05/10/2022

Collected: 05/10/2022

Received: 05/11/2022

Completed: 05/12/2022

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: 05/12/2022

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: 05/11/2022

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	<LOQ	Pass
Lead	0.01	0.05	0.5	<LOQ	Pass
Mercury	0.002	0.05	3	<LOQ	Pass

Date Tested: 05/11/2022

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


 ISO / IEC 17025:2017 ACCREDITED
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 Ini Afia
 Chief Science Officer
 05/12/2022

 Neya Jourabchian
 COA Review
 05/12/2022

Koi Naturals Hemp Extract | CBD Balm (1000 mg)

Sample ID: 2205CSALA0345.7330

Matrix: Topical

Type: Other

Sample Size: 1 units

Batch Size: 2500 units

Batch#: 2393BB0524

Produced: 05/10/2022

Collected: 05/10/2022

Received: 05/11/2022

Completed: 05/12/2022

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		<LOQ	Tested
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		ND	Tested
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: 05/11/2022

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


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 05/12/2022

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