

Koi CBD Extra Strength Healing Balm

 Sample ID: 2007CSALA8355.6868
 Matrix: Other
 Type: Industrial Hemp
 Sample Size: 1 units
 County Sample ID: 1444BB0722

 Strain: Extra Strength Balm
 Produced: N/A
 Collected: 07/02/2020
 Received: 07/02/2020
 Completed: 07/13/2020

 Physical Address:
 Sampler:
 Sample Received By:
 Sample Tested By: Grant Sullivan

 Koi CBD
 Registration #:
 Registrant Name:
 Registrant Contact #:


Summary

Pass

1171.35 mg/package Total Cannabinoids	Tested Pesticides	Tested Residual Solvents
Tested Microbials	Tested Mycotoxins	Tested Heavy Metals

Cannabinoids

Pass

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Results	Results
	mg/g	mg/g	mg/package	mg/g
CBD	0.0059	0.018	1033.65	22.97
CBG	0.0047	0.0143	70.65	1.57
CBC	0.0009	0.0027	39.15	0.87
CBN	0.0014	0.0041	27.90	0.62
CBDa	0.0012	0.0037	ND	ND
CBDV	0.0042	0.0126	ND	ND
CBGa	0.0016	0.005	ND	ND
THCa	0.002	0.006	ND	ND
THCV	0.0036	0.0111	ND	ND
Δ8-THC	0.0038	0.0115	ND	ND
Δ9-THC	0.0038	0.0115	ND	ND
Total			1171.35	26.03

Terpenes

Tested

Testing method: HS-GC-FID - SOP 201

Analyte	LOD	LOQ	Results	Results
	%	%	%	mg/g
Eucalyptol	0.00017	0.0013	0.31	3.15
Linalool	0.00015	0.0013	0.06	0.60
δ-Limonene	0.00016	0.0013	0.04	0.44
β-Caryophyllene	0.00017	0.0013	0.03	0.30
α-Pinene	0.00015	0.0013	0.03	0.28
β-Pinene	0.00034	0.0013	0.01	0.15
Camphene	0.00072	0.0013	ND	ND
Caryophyllene Oxide	0.00017	0.0013	ND	ND
Geraniol	0.00013	0.0013	ND	ND
Guaiol	0.00018	0.0013	ND	ND
Isopulegol	0.00011	0.0013	ND	ND
Ocimene	0.00013	0.0013	ND	ND
p-Cymene	0.0001	0.0013	ND	ND
Terpinolene	0.00016	0.0013	ND	ND
trans-Nerolidol	0.00058	0.0013	ND	ND
α-Bisabolol	0.00015	0.0013	ND	ND
α-Humulene	0.00057	0.0013	ND	ND
α-Terpinene	0.00012	0.0013	ND	ND
β-Myrcene	0.00012	0.0013	ND	ND
γ-Terpinene	0.00012	0.0013	ND	ND
δ-3-Carene	0.0004	0.0013	ND	ND
Total			0.49	4.92

ND Total THC	1033.65 mg/package Total CBD
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Package = 1 Jar, 45.0 grams; 0.0 mg/package Total THC; 1033.65 mg/package Total CBD;

Date Tested: 07/08/2020

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.

Date Tested: 07/07/2020

NT Moisture Moisture Analyzer SOP-103	NT Water Activity Water Activity Meter SOP-102	Tested Foreign Matter Visual Inspection SOP-600 Date Tested: 07/02/2020
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 ISO / IEC 17025:2017 ACCREDITED
 LABORATORY
 Accreditation No. 73653



 Mallory Speakman
 Laboratory Director - LA
 07/13/2020



 Amanda Bravo
 Quality Review
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 Dave Butterfield
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Pesticides

Testing method: LCMS & GCMS-SOP 301 and 302

Tested

Analyte	LOD	LOQ	Results	Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g		µg/g	µg/g	µg/g
Abamectin	0.0009	0.003	ND	Fludioxonil	0.0143	0.048	ND
Acephate	0.005	0.017	ND	Hexythiazox	0.0237	0.079	ND
Acequinocyl	0.0193	0.064	ND	Imazalil *	0.0077	0.026	ND
Acetamiprid	0.0073	0.024	ND	Imidacloprid	0.0053	0.018	ND
Aldicarb *	0.0094	0.031	ND	Kresoxim Methyl	0.0182	0.061	ND
Azoxystrobin	0.015	0.05	ND	Malathion	0.015	0.05	ND
Bifenazate	0.0129	0.043	ND	Metaxyl	0.0076	0.025	ND
Bifenthrin	0.029	0.097	ND	Methiocarb *	0.0103	0.034	ND
Boscalid	0.0172	0.058	<LOQ	Methomyl	0.0109	0.036	ND
Captan	0.036	0.12	ND	Methyl Parathion *	0.0091	0.0303	ND
Carbaryl	0.0542	0.181	ND	Mevinphos *	0.0041	0.014	ND
Carbofuran *	0.0077	0.026	ND	Myclobutanil	0.01	0.033	ND
Chlorantraniliprole	0.0095	0.032	ND	Naled	0.0107	0.036	ND
Chlordane *	0.0055	0.0182	ND	Oxamyl	0.0071	0.024	ND
Chlorfenapyr *	0.0048	0.0159	ND	Paclobutrazol *	0.0092	0.031	ND
Chlorpyrifos *	0.0197	0.066	ND	Pentachloronitrobenzene	0.0084	0.0279	ND
Clofentezine	0.0216	0.072	ND	Permethrin	0.0142	0.048	ND
Coumaphos *	0.0196	0.065	<LOQ	Phosmet	0.0138	0.046	ND
Cyfluthrin	0.0107	0.036	ND	Piperonyl Butoxide	0.0156	0.052	ND
Cypermethrin	0.0105	0.035	ND	Prallethrin	0.018	0.06	ND
Daminozide *	0.0052	0.017	ND	Propiconazole	0.013	0.043	ND
DDVP *	0.0081	0.027	ND	Propoxur *	0.0097	0.033	ND
Diazinon	0.0134	0.045	ND	Pyrethrins	0.0025	0.008	ND
Dimethoate *	0.0083	0.028	ND	Pyridaben	0.0236	0.079	ND
Dimethomorph	0.0025	0.008	ND	Spinetoram	0.0042	0.014	ND
Ethoprophos *	0.0112	0.037	ND	Spinosad	0.0002	0.001	ND
Etofenprox *	0.0247	0.082	ND	Spiromesifen	0.0199	0.066	ND
Etoxazole	0.0269	0.09	ND	Spirotetramat	0.0068	0.023	ND
Fenhexamid	0.0215	0.072	ND	Spiroxamine *	0.0065	0.022	ND
Fenoxycarb *	0.0186	0.062	ND	Tebuconazole	0.0099	0.033	ND
Fenpyroximate	0.0253	0.084	ND	Thiacloprid *	0.0094	0.031	ND
Fipronil *	0.0228	0.076	ND	Thiamethoxam	0.005	0.017	ND
Flonicamid	0.0073	0.024	ND	Trifloxystrobin	0.0192	0.064	ND

Date Tested: 07/08/2020

* 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

Testing method: PCR-SOP 401

Tested

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

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Mycotoxins

Testing method: LCMS-SOP 301

Tested

Analyte	LOD	LOQ	Results
	µg/kg	µg/kg	µg/kg
Aflatoxin B1	0.0036	0.012	ND
Aflatoxin B2	0.0092	0.031	ND
Aflatoxin G1	0.0058	0.019	ND
Aflatoxin G2	0.0034	0.011	ND
Total Aflatoxins			ND
Ochratoxin A	0.0113	0.038	ND

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Heavy Metals

Testing method: ICPMS-SOP 502

Tested

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
Arsenic	0.02	0.06	ND
Cadmium	0.03	0.1	ND
Lead	0.002	0.005	0.025
Mercury	0.02	0.06	ND

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Residual Solvents

Testing method: HSGCMS-SOP 202

Tested

Analyte	LOD	LOQ	Results
	µg/g	µg/g	µg/g
1,2-Dichloro-Ethane	0.1	0.4	ND
Acetone	64.0	214.0	ND
Acetonitrile	36.0	119.0	ND
Benzene	0.1	0.2	ND
Butane	42.0	141.0	ND
Chloroform	0.1	0.4	ND
Ethanol	59.0	197.0	ND
Ethyl-Acetate	43.0	144.0	ND
Ethylene Oxide	0.2	0.6	ND
Ethyl-Ether	40.0	134.0	ND
Heptane	46.0	154.0	ND
Isopropanol	41.0	138.0	ND
Methanol	160.0	534.0	ND
Methylene-Chloride	0.1	0.4	ND
n-Hexane	42.0	139.0	ND
Pentane	69.0	229.0	ND
Propane	21.0	70.0	ND
Toluene	47.0	156.0	ND
Trichloroethene	0.1	0.4	ND
Xylenes	86.0	287.0	ND

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