

KOI Tropical Gummies

Sample ID: 1902CSALA0704.2615
Strain: KOI Tropical Gummies
Matrix: Ingestible
Type: Soft Chew
Sample Size: 1 units; Batch: 0 units

Produced: N/A
Collected: 02/04/2019
Received: 02/04/2019
Completed: 02/19/2019
Batch#: 9032TRG200

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



Summary

Pass

9.52 mg/unit Total Cannabinoids	Pass Pesticides	Pass Residual Solvents
Pass Microbials	Pass Mycotoxins	Pass Heavy Metals

Cannabinoids

Complete

Testing method: HPLC-SOP 101

Analyte	LOD	LOQ	Mass	Mass
	mg/unit	mg/unit	mg/unit	mg/g
THCa	0.00090	0.0040	ND	ND
Δ9-THC	0.00169	0.0040	ND	ND
Δ8-THC	0.00168	0.0040	ND	ND
THCV	0.00157	0.0040	ND	ND
CBDa	0.00081	0.0040	ND	ND
CBD	0.00149	0.0040	9.40	2.35
CBDV	0.00040	0.0040	0.12	0.03
CBN	0.00065	0.0040	ND	ND
CBGa	0.00078	0.0040	ND	ND
CBG	0.00149	0.0040	ND	ND
CBC	0.00057	0.0040	ND	ND
Total			9.52	2.38

ND
Total THC

9.40 mg/unit
Total CBD

1 Unit = 1 Bag, 4g; 20 servings per container; 0.0 mg/unit THC per container

Terpenes

Complete

Testing method: HSGCMS-SOP 201

Analyte	LOD	LOQ	Mass	Mass
	%	%	%	mg/g
α-Bisabolol	0.00015	0.0013	ND	ND
α-Humulene	0.00057	0.0013	ND	ND
α-Pinene	0.00015	0.0013	ND	ND
α-Terpinene	0.00012	0.0013	ND	ND
β-Caryophyllene	0.00017	0.0013	ND	ND
β-Myrcene	0.00012	0.0013	ND	ND
β-Pinene	0.00034	0.0013	ND	ND
Camphene	0.00072	0.0013	ND	ND
Caryophyllene Oxide	0.00017	0.0013	ND	ND
cis-Nerolidol	0.00009	0.0013	ND	ND
δ-3-Carene	0.00040	0.0013	ND	ND
δ-Limonene	0.00016	0.0013	ND	ND
Eucalyptol	0.00017	0.0013	ND	ND
γ-Terpinene	0.00012	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
Linalool	0.00015	0.0013	ND	ND
Ocimene	0.00013	0.0013	ND	ND
p-Cymene	0.00010	0.0013	ND	ND
Terpinolene	0.00016	0.0013	ND	ND
trans-Nerolidol	0.00058	0.0013	ND	ND
Total			0.00	0.00

NT
Moisture
SOP-103

0.738 aw
Water Activity
SOP-102

Pass
Foreign Matter
SOP-001

Date Tested: 02/06/2019

Total THC = THCa * 0.877 + d9-THC

Total CBD = CBDa * 0.877 + CBD

LOQ = Limit of Quantitation; LOD = Limit of Detection; NR = Not Reported; NT = Not Tested; ND = Not Detected. The reported result is based on a sample weight with the applicable moisture content for that sample;



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

M. Speakman
Mallory Speakman
Laboratory Director - LA
02/19/2019

A. Engen
Anya Engen
Quality Manager
02/19/2019



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Pesticides

Test Method: LCMS & GCMS-SOP 301

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	0.0180	0.0590	0.3000	ND	Pass	Fludioxonil	0.0070	0.0240	30.0000	ND	Pass
Acephate	0.0090	0.0290	5.0000	ND	Pass	Hexythiazox	0.0070	0.0240	2.0000	ND	Pass
Acequinocyl	0.0050	0.0180	4.0000	ND	Pass	Imazalil	0.0040	0.0120	0.0040	ND	Pass
Acetamiprid	0.0040	0.0130	5.0000	ND	Pass	Imidacloprid	0.0390	0.1290	3.0000	ND	Pass
Aldicarb	0.0040	0.0130	0.0040	ND	Pass	Kresoxim Methyl	0.0050	0.0170	1.0000	ND	Pass
Azoxystrobin	0.0060	0.0190	40.0000	ND	Pass	Malathion	0.0100	0.0320	5.0000	ND	Pass
Bifenazate	0.0040	0.0140	5.0000	ND	Pass	Metalaxyl	0.0030	0.0100	15.0000	ND	Pass
Bifenthrin	0.0080	0.0270	0.5000	ND	Pass	Methiocarb	0.0060	0.0200	0.0060	ND	Pass
Boscalid	0.0060	0.0190	10.0000	ND	Pass	Methomyl	0.0090	0.0300	0.1000	ND	Pass
Captan	0.0789	0.2631	5.0000	ND	Pass	Methyl Parathion	0.0070	0.0233	0.0070	ND	Pass
Carbaryl	0.0050	0.0150	0.5000	ND	Pass	Mevinphos	0.0030	0.0110	0.0030	ND	Pass
Carbofuran	0.0050	0.0180	0.0050	ND	Pass	Myclobutanil	0.0170	0.0580	9.0000	ND	Pass
Chlorantraniliprole	0.0070	0.0240	40.0000	ND	Pass	Naled	0.0070	0.0240	0.5000	ND	Pass
Chlordane	0.0319	0.1062	0.0319	ND	Pass	Oxamyl	0.0030	0.0090	0.2000	ND	Pass
Chlorfenapyr	0.0100	0.0330	0.0100	ND	Pass	Pacllobutrazol	0.0130	0.0440	0.0130	ND	Pass
Chlorpyrifos	0.0050	0.0170	0.0050	ND	Pass	Pentachloronitrobenzene	0.0046	0.0152	0.2000	ND	Pass
Clofentezine	0.0060	0.0190	0.5000	ND	Pass	Permethrin	0.0110	0.0360	20.0000	ND	Pass
Coumaphos	0.0090	0.0280	0.0090	ND	Pass	Phosmet	0.0070	0.0250	0.2000	ND	Pass
Cyfluthrin	0.0080	0.0260	1.0000	ND	Pass	Piperonyl Butoxide	0.0050	0.0180	8.0000	ND	Pass
Cypermethrin	0.0130	0.0440	1.0000	ND	Pass	Prallethrin	0.0070	0.0240	0.4000	ND	Pass
Daminozide	0.0210	0.0700	0.0210	ND	Pass	Propiconazole	0.0080	0.0260	20.0000	ND	Pass
DDVP	0.0040	0.0120	0.0040	ND	Pass	Propoxur	0.0040	0.0130	0.0040	ND	Pass
Diazinon	0.0050	0.0170	0.2000	ND	Pass	Pyrethrins	0.0030	0.0100	1.0000	ND	Pass
Dimethoate	0.0030	0.0110	0.0030	ND	Pass	Pyridaben	0.0080	0.0270	3.0000	ND	Pass
Dimethomorph	0.0070	0.0230	20.0000	ND	Pass	Spinetoram	0.0070	0.0220	3.0000	ND	Pass
Ethoprophos	0.0040	0.0130	0.0040	ND	Pass	Spinosad	0.0050	0.0160	3.0000	ND	Pass
Etofenprox	0.0050	0.0170	0.0050	ND	Pass	Spiromesifen	0.0070	0.0230	12.0000	ND	Pass
Etoazole	0.0060	0.0180	1.5000	ND	Pass	Spirotetramat	0.0090	0.0300	13.0000	ND	Pass
Fenhexamid	0.0090	0.0300	10.0000	ND	Pass	Spiroxamine	0.0060	0.0190	0.0060	ND	Pass
Fenoxycarb	0.0070	0.0220	0.0070	ND	Pass	Tebuconazole	0.0130	0.0420	2.0000	ND	Pass
Fenpyroximate	0.0090	0.0300	2.0000	ND	Pass	Thiacloprid	0.0070	0.0230	0.0070	ND	Pass
Fipronil	0.0170	0.0560	0.0170	ND	Pass	Thiamethoxam	0.0040	0.0130	4.5000	ND	Pass
Fonicamid	0.0890	0.2970	2.0000	ND	Pass	Trifloxystrobin	0.0040	0.0140	30.0000	ND	Pass

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Residual Solvents

Testing method: HSGCMS-SOP 202

Analyte	LOD µg/g	LOQ µg/g	Limit µg/g	Mass µg/g	Status
1,2-Dichloro-Ethane	0.3	3	1	ND	Pass
Acetone	1.4	14	5000	ND	Pass
Acetonitrile	0.3	2	410	ND	Pass
Benzene	0.1	1	1	ND	Pass
Butane	2.5	25	5000	ND	Pass
Chloroform	0.4	4	1	ND	Pass
Ethanol	1.4	14	5000	ND	Pass
Ethyl-Acetate	1.4	14	5000	ND	Pass
Ethyl-Ether	1.4	14	5000	ND	Pass
Ethylene Oxide	0.3	3	1	ND	Pass
Heptane	1.4	14	5000	ND	Pass
Isopropanol	1.4	14	5000	ND	Pass
Methanol	1.8	18	3000	ND	Pass
Methylene-Chloride	0.4	4	1	ND	Pass
n-Hexane	1.7	17	290	ND	Pass
Pentane	1.4	14	5000	ND	Pass
Propane	1.0	10	5000	ND	Pass
Toluene	5.3	53	890	ND	Pass
Trichloroethene	0.5	5	1	ND	Pass
Xylenes	13.0	130	2170	ND	Pass

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Microbials

Test method: PCR-SOP 401

Analyte

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

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Mycotoxins

Test method: LCMS-SOP 301

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
B1	0.001	0.005		ND	Tested
B2	0.007	0.022		ND	Tested
G1	0.007	0.022		ND	Tested
G2	0.006	0.021		ND	Tested
Total Aflatoxins			20	ND	Pass
Ochratoxin A	0.013	0.045	20	ND	Pass

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Heavy Metals

Testing method: ICPMS-SOP 501

Analyte	LOD	LOQ	Limit	Units	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.001	0.01	1.5	ND	Pass
Cadmium	0.001	0.01	0.5	ND	Pass
Lead	0.001	0.01	0.5	0.069	Pass
Mercury	0.001	0.01	3.0	0.012	Pass

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