

Koi Hemp Beverage Kiwi Strawberry 10mg

Sample ID: 1904CSALA3053.0584

Strain: Koi Hemp K Straw 10mg

Matrix: Ingestible

Type: Beverage

Sample Size: 1 units

Batch Size:

Produced: N/A

Collected: 04/23/2019

Received: 04/23/2019

Completed: 04/29/2019

Batch#: APR1320WLA-KST

Client

Koi CBD

Lic. #

14631 Best Ave

Norwalk, CA, 90650



Summary

Pass

**9.60
mg/serving**

Total Cannabinoids

Pass

Pesticides

Pass

Residual Solvents

Pass

Microbials

Pass

Mycotoxins

Pass

Heavy Metals

Cannabinoids

Testing method: HPLC-SOP 101

Pass

Analyte	LOD	LOQ	Mass	Mass
	mg/serving	mg/serving	mg/serving	mg/ml
CBD	0.00004	0.0001	9.49	0.03
CBDV	0.00001	0.0001	0.11	0.00
CBC	0.00001	0.0001	ND	ND
CBDa	0.00002	0.0001	ND	ND
CBG	0.00004	0.0001	ND	ND
CBGa	0.00002	0.0001	ND	ND
CBN	0.00002	0.0001	ND	ND
THCa	0.00002	0.0001	ND	ND
THCV	0.00004	0.0001	ND	ND
Δ8-THC	0.00004	0.0001	ND	ND
Δ9-THC	0.00004	0.0001	ND	ND
Total			9.60	0.03

ND

Total THC

9.49 mg/serving

Total CBD

1 serving = 355.0 milliliters; Density = 1.0102 g/ml;

Terpenes

Testing method: HS-GC-FID - SOP 201

Not Tested

NT

Moisture

Moisture Analyzer SOP-103

NT

Water Activity

Water Activity Meter SOP-102

Pass

Foreign Matter

Visual Inspection SOP-001
Date Tested: 04/26/2019

Date Tested: 04/26/2019

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.


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



Iniobong Afia
Executive Lab Director
04/29/2019



Anya Engen
Quality Manager
04/29/2019



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Pesticides

Testing 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	0.018	0.059	0.3	ND	Pass	Fludioxonil	0.007	0.024	30.0	ND	Pass
Acephate	0.009	0.029	5.0	ND	Pass	Hexythiazox	0.007	0.024	2.0	ND	Pass
Acequinocyl	0.005	0.018	4.0	ND	Pass	Imazalil *	0.004	0.012	0.1	ND	Pass
Acetamiprid	0.004	0.013	5.0	ND	Pass	Imidacloprid	0.039	0.129	3.0	ND	Pass
Aldicarb *	0.004	0.013	0.1	ND	Pass	Kresoxim Methyl	0.005	0.017	1.0	ND	Pass
Azoxystrobin	0.006	0.019	40.0	ND	Pass	Malathion	0.01	0.032	5.0	ND	Pass
Bifenazate	0.004	0.014	5.0	ND	Pass	Metalaxyl	0.003	0.01	15.0	ND	Pass
Bifenthrin	0.008	0.027	0.5	ND	Pass	Methiocarb *	0.006	0.02	0.1	ND	Pass
Boscalid	0.006	0.019	10.0	ND	Pass	Methomyl	0.009	0.03	0.1	ND	Pass
Captan	0.0789	0.2631	5.0	ND	Pass	Methyl Parathion *	0.007	0.0233	0.1	ND	Pass
Carbaryl	0.005	0.015	0.5	ND	Pass	Mevinphos *	0.003	0.011	0.1	ND	Pass
Carbofuran *	0.005	0.018	0.1	ND	Pass	Myclobutanil	0.017	0.058	9.0	ND	Pass
Chlorantraniliprole	0.007	0.024	40.0	ND	Pass	Naled	0.007	0.024	0.5	ND	Pass
Chlordane *	0.0291	0.0969	0.1	ND	Pass	Oxamyl	0.003	0.009	0.2	ND	Pass
Chlorfenapyr *	0.01	0.033	0.1	ND	Pass	Paclobutrazol *	0.013	0.044	0.1	ND	Pass
Chlorpyrifos *	0.005	0.017	0.1	ND	Pass	Pentachloronitrobenzene	0.0046	0.0152	0.2	ND	Pass
Clofentezine	0.006	0.019	0.5	ND	Pass	Permethrin	0.011	0.036	20.0	ND	Pass
Coumaphos *	0.009	0.028	0.1	ND	Pass	Phosmet	0.007	0.025	0.2	ND	Pass
Cyfluthrin	0.008	0.026	1.0	ND	Pass	Piperonyl Butoxide	0.005	0.018	8.0	ND	Pass
Cypermethrin	0.013	0.044	1.0	ND	Pass	Prallethrin	0.007	0.024	0.4	ND	Pass
Daminozide *	0.021	0.07	0.1	ND	Pass	Propiconazole	0.008	0.026	20.0	ND	Pass
DDVP *	0.004	0.012	0.1	ND	Pass	Propoxur *	0.004	0.013	0.1	ND	Pass
Diazinon	0.005	0.017	0.2	ND	Pass	Pyrethrins	0.003	0.01	1.0	ND	Pass
Dimethoate *	0.003	0.011	0.1	ND	Pass	Pyridaben	0.008	0.027	3.0	ND	Pass
Dimethomorph	0.007	0.023	20.0	ND	Pass	Spinetoram	0.007	0.022	3.0	ND	Pass
Ethoprophos *	0.004	0.013	0.1	ND	Pass	Spinosad	0.005	0.016	3.0	ND	Pass
Etofenprox *	0.005	0.017	0.1	ND	Pass	Spiromesifen	0.007	0.023	12.0	ND	Pass
Etoxazole	0.006	0.018	1.5	ND	Pass	Spirotetramat	0.009	0.03	13.0	ND	Pass
Fenhexamid	0.009	0.03	10.0	ND	Pass	Spiroxamine *	0.006	0.019	0.1	ND	Pass
Fenoxycarb *	0.007	0.022	0.1	ND	Pass	Tebuconazole	0.013	0.042	2.0	ND	Pass
Fenpyroximate	0.009	0.03	2.0	ND	Pass	Thiacloprid *	0.007	0.023	0.1	ND	Pass
Fipronil *	0.017	0.056	0.1	ND	Pass	Thiamethoxam	0.004	0.013	4.5	ND	Pass
Flonicamid	0.0244	0.0814	2.0	ND	Pass	Trifloxystrobin	0.004	0.014	30.0	ND	Pass

Date Tested: 04/25/2019

* 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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[Signature]

Iniobong Afia
Executive Lab Director
04/29/2019

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Anya Engen
Quality Manager
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Microbials

Testing method: PCR-SOP 401

Pass

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

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Mycotoxins

Testing method: LCMS-SOP 301

Pass

Analyte	LOD	LOQ	Limit	Units	Status
	µg/kg	µg/kg	µg/kg	µg/kg	
Aflatoxin B1	0.001	0.005		ND	Tested
Aflatoxin B2	0.007	0.022		ND	Tested
Aflatoxin G1	0.007	0.022		ND	Tested
Aflatoxin G2	0.006	0.021		ND	Tested
Total Aflatoxins			20.0	ND	Pass
Ochratoxin A	0.013	0.045	20.0	ND	Pass

Date Tested: 04/25/2019

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Heavy Metals

Testing method: ICPMS-SOP 501

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
Arsenic	0.001	0.01	1.5	<LOQ	Pass
Cadmium	0.001	0.01	0.5	ND	Pass
Lead	0.001	0.01	0.5	ND	Pass
Mercury	0.001	0.01	3.0	ND	Pass

Date Tested: 04/24/2019

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Residual Solvents

Testing method: HSGCMS-SOP 202

Pass

Analyte	LOD	LOQ	Limit	Mass	Status
	µg/g	µg/g	µg/g	µg/g	
1,2-Dichloro-Ethane	0.024	0.24	1	ND	Pass
Acetone	0.112	1.12	5000	ND	Pass
Acetonitrile	0.0196	0.196	410	ND	Pass
Benzene	0.0096	0.096	1	ND	Pass
Butane	0.2	2.0	5000	ND	Pass
Chloroform	0.0288	0.288	1	ND	Pass
Ethanol	0.112	1.12	5000	3310.19	Pass
Ethyl-Acetate	0.112	1.12	5000	ND	Pass
Ethylene Oxide	0.024	0.24	1	ND	Pass
Ethyl-Ether	0.112	1.12	5000	ND	Pass
Heptane	0.112	1.12	5000	ND	Pass
Isopropanol	0.112	1.12	5000	ND	Pass
Methanol	0.144	1.44	3000	ND	Pass
Methylene-Chloride	0.0288	0.288	1	ND	Pass
n-Hexane	0.1392	1.392	290	ND	Pass
Pentane	0.112	1.12	5000	ND	Pass
Propane	0.08	0.8	5000	ND	Pass
Toluene	0.4272	4.272	890	ND	Pass
Trichloroethene	0.0384	0.384	1	ND	Pass
Xylenes	1.0416	10.416	2170	ND	Pass

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