

4131 SW 47th AVENUE SUITE 1408 **DAVIE, FL, 33314, USA** 

# Certificate of Analysis

Oct 20, 2020 | Empire Standard LLC

Binghamton, NY, 13904, US



### **Kaycha Labs**

BB OIL 1500

Matrix: Derivative



Sample: GA01013013-002 Harvest/Lot ID: 20279002

> Seed to Sale #N/A Batch Date: 10/05/20

Batch#: 20279002 Sample Size Received: 60 ml

> Retail Product Size: 30 Ordered: 10/07/20

Sampled: 10/07/20 Completed: 10/20/20 Expires: 10/20/21 Sampling Method: SOP Client Method

TESTED

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PRODUCT IMAGE SAFETY RESULTS







Pesticides

**PASSED** 



Heavy Metals

**PASSED** 



Microbials

**PASSED** 



PASSED



Solvents



Filth

**PASSED** 



Water Activity

**NOT TESTED** 



Moisture

**NOT TESTED** 



MISC.

Terpenes **NOT TESTED** 

CANNABINOID RESULTS



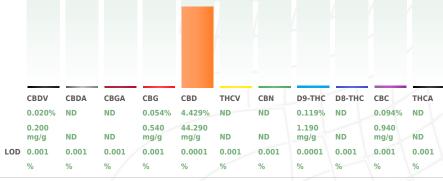
**Total THC** THC/Container: 35.700 mg



**Total CBD** CBD/Container:1328.700 mg

**Total Cannabinoids** 

Total Cannabinoids/Container :1414.800 mg





Filth

**PASSED** 

Weight Extraction date LOD(ppm) Extracted By Analyzed By 1g

Analysis Method -SOP.T.40.013 Batch Date: 10/15/20 12:50:36 Analytical Batch -DA017423FIL Reviewed On - 10/15/20 17:02:11 Instrument Used: Filth/Foreign Material Microscope Running On:

#### **Cannabinoid Profile Test**

Analyzed by Weight Extraction date : Extracted By: Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 10/19/20 18:16:36 Batch Date: 10/15/20 08:27:03 Analytical Batch -DA017367POT Instrument Used: DA-LC-003 Running On: 10/17/20 02:16:17

Reagent Dilution Consums, ID 181019-274 280670723 914C4-914AK 032320.28 929C6-929H 76262-590

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

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Jorge Segredo

Lab Director

State License # CMTL-0002 ISO Accreditation # 97164



10/20/2020

Signature



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#### **Kaycha Labs**

BB\_OIL\_1500

Matrix: Derivative



## **Certificate of Analysis**

**Empire Standard LLC** 

29 Industrial Park Dr. Binghamton , NY, 13904, US **Telephone:** 6077617126

Email: amman@empire-standard.com

Sample: GA01013013-002 Harvest/LOT ID: 20279002

Batch#: 20279002 Sampled: 10/07/20

Ordered: 10/07/20

Sample Size Received: 60 ml

Completed: 10/20/20 Expires: 10/20/21 Sample Method: SOP Client Method

**TESTED** 

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### **Pesticides**

## **PASSED**

Pesticides	LOD	Units	Action Level	Res
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	PPM	3	ND
CARBARYL	0.05	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND
FENHEXAMID	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND
FIPRONIL	0.01	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.04	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.02	ppm	2	ND
METALAXYL	0.01	ppm	3	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.025	ppm	0.5	ND
OXAMYL	0.05	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PHOSMET	0.01	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.1	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND

7	Pesticides	LOD	Units	Action Level	Result
	PROPICONAZOLE	0.01	ppm	1	ND
	PROPOXUR	0.01	ppm	0.1	ND
	PYRETHRINS	0.05	ppm	1	ND
	PYRIDABEN	0.02	ppm	3	ND
	SPINETORAM	0.02	PPM	3	ND
	SPIROMESIFEN	0.01	ppm	3	ND
	SPIROTETRAMAT	0.01	ppm	3	ND
	SPIROXAMINE	0.01	ppm	0.1	ND
	TEBUCONAZOLE	0.01	ppm	1	ND
	THIACLOPRID	0.01	ppm	0.1	ND
	THIAMETHOXAM	0.05	ppm	1	ND
	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
	TOTAL PERMETHRIN	0.01	ppm	1	ND
	TOTAL SPINOSAD	0.01	ppm	3	ND
	TRIFLOXYSTROBIN	0.01	ppm	3	ND
	CHLORDANE *	0.01	PPM	0.1	ND
	PENTACHLORONITROBENZEN (PCNB) *	<b>E</b> 0.01	PPM	0.2	ND
	PARATHION-METHYL *	0.01	PPM	0.1	ND
	CAPTAN *	0.025	PPM	3	ND
	CHLORFENAPYR *	0.01	PPM	0.1	ND
	CYFLUTHRIN *	0.01	PPM	1	ND
	CYPERMETHRIN *	0.01	PPM	1	ND

585, 1665

**Pesticides** 

**Extraction date** 10/16/20 03:10:43

**Extracted By** 

PASSED

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.30.065, SOP.T40.070

Analysis Mettidu - 308-1.30.05, 308-1.30.05 3 SOP.T.30.065, SOP.T40.070 Analytical Batch - DA017408PES , DA017414VOLReviewed On- 10/15/20 17:02:11 Instrument Used : DA-LCMS-002\_DER (PES) , DA-GCMS-001

Running On: 10/16/20 17:59:36, 10/16/20 17:22:02
Batch Date: 10/15/20 11:39:01

Reagent	Dilution	Consums. II
092320.10	10	287035261
		76262-590

0.907g

Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMS). \* Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.

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Jorge Segredo

Lab Director

State License # CMTL-0002 ISO Accreditation # 97164



10/20/2020

Signature



**DAVIE, FL, 33314, USA** 

#### Kaycha Labs

BB OIL 1500

Matrix: Derivative



## **Certificate of Analysis**

**Empire Standard LLC** 

29 Industrial Park Dr. Binghamton , NY, 13904, US **Telephone:** 6077617126

Email: amman@empire-standard.com

Sample: GA01013013-002 Harvest/LOT ID: 20279002

Batch#: 20279002 Sampled: 10/07/20

Ordered: 10/07/20

Sample Size Received: 60 ml

Completed: 10/20/20 Expires: 10/20/21 Sample Method: SOP Client Method

**TESTED** 

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#### **Residual Solvents**

#### **TESTED**



#### **Residual Solvents**



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
METHANOL	25	ppm	250	FAIL	27648.449
ETHANOL	500	ppm		PASS	3523.290
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	FAIL	10.025
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by Weight **Extraction date Extracted By** 

.0209a 10/14/20 04:10:29

Analysis Method -SOP.T.40.032

Analytical Batch -GA017337SOL Reviewed On - 10/20/20 14:24:52

Instrument Used: GA-GCMS-001 Headspace Solvent

Running On: 10/14/20 16:40:10 Batch Date: 10/14/20 10:25:55

**Dilution** Reagent Consums, ID 24154107 ach-20-1720

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).

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Jorge Segredo Lab Director

State License # CMTL-0002 ISO Accreditation # 97164



10/20/2020

Signature



4131 SW 47th AVENUE SUITE 1408 **DAVIE, FL, 33314, USA** 

#### Kaycha Labs

BB OIL 1500

Matrix: Derivative



TESTED

## **Certificate of Analysis**

**Empire Standard LLC** Sample: GA01013013-002

LOD

Harvest/LOT ID: 20279002 Batch#: 20279002

Sampled: 10/07/20 Ordered: 10/07/20

Sample Size Received: 60 ml Completed: 10/20/20 Expires: 10/20/21 Sample Method: SOP Client Method

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#### **Microbials**

#### PASSED

Result not present in 1 gram. not present in 1 gram.

not present in 1 gram.



**OCHRATOXIN A+** 

### **Mycotoxins**



29 Industrial Park Dr.

Binghamton, NY, 13904, US

Email: amman@empire-standard.com

**Telephone:** 6077617126

Analysis Method -SOP.T.40.043 / SOP.T.40.044 Analytical Batch -DA017430MIC Batch Date: 10/15/20

Instrument Used: PathogenDX PCR\_Array Scanner DA-111,PathogenDX PCR\_DA-013

Running On: 10/16/20

914C4-914AK

50AX30819

Analyzed by Weight **Extraction date Extracted By** 513 0.9783q Reagent Consums. ID Consums. ID Consums. ID Consums. ID 2808007 071020.25 20334 181019-274 D006 101619.02 11989-024CC-024 012020 2807008 2811018 181207119C 850C6-850H 2809005 Ang 918C4-918I 2802021 2810015B

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sam microbiological-impurity testing.

031

2804028

2803030

D006

Analyte	LOD	Units	Result	Action Level (PPM)		
AFLATOXIN G2	0.002	ppm	ND	0.02		
AFLATOXIN G1	0.002	ppm	ND	0.02		
AFLATOXIN B2	0.002	ppm	ND	0.02		
AFLATOYIN B1	0.002	nnm	ND	0.02		

Analysis Method -SOP.T.30.065, SOP.T.40.065

Analytical Batch -DA017409MYC | Reviewed On - 10/19/20 13:49:49

0.002

Instrument Used: DA-LCMS-002 DER (MYC)

Running On: 10/16/20 17:59:56 Batch Date: 10/15/20 11:48:57

Analyzed by	Weight	Extraction date	Extracted By
585	1g	10/16/20 03:10:09	585

ppm

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.



#### **Heavy Metals**



Reagent	Reagent	Dilution	Consums. ID	
100720.R23	100520.R05	100	89401-566	
100820.R08	101420.R02			
101220.R02	082520.05			
100520.R01	090320.01			
101420.R20	030420.06			
101220.R06	100120.37			

Metal	LOD	Unit	Result	Action Level (PPI	M)
ARSENIC	0.02	РРМ	ND	1.5	
CADMIUM	0.02	PPM	ND	0.5	
MERCURY	0.02	PPM	ND	3	
LEAD	0.05	PPM	ND	0.5	
Analyzed by	Weight	Extraction	n date	Extracted By	
1022	0.2622g	10/15/20 0	3:10:29	1783	

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -DA017407HEA | Reviewed On - 10/16/20 11:39:16

Instrument Used: DA-ICPMS-002

Running On:

Batch Date: 10/15/20 11:32:17

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS

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