

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

# Certificate of Analysis

# Kaycha Labs

CBD Tincture - Natura **CBD** Blend Matrix: Derivative

Sample: DA00109010-003 Harvest/Lot ID: HS-CFOH0108202001 **Cultivation Facility: Miami Cultivation Processing Facility: Homestead Processing** 

Seed to Sale #2936 0118 7965 2284

Batch Date :N/A

Batch#: HS-CFOH0108202001 Sample Size Received: 8.0 gram

Total Weight/Volume: 2000 gram Retail Product Size: 30 ml gram

> **Ordered**: 01/09/20 sampled: 01/09/20

Completed: 01/13/20 Sampling Method: SOP Client Method

# PASSED

Page 1 of 5

# Jan 13, 2020 | CURALEAF FLORIDA

19000 SW 192 STREET MIAMI, FL, 33187, US



PRODUCT IMAGE

SAFETY RESULTS





Pesticides



Heavy Metals

PASSED



Microbials

PASSED



Mycotoxins

PASSED



Residuals

Solvents PASSED



Filth

PASSED

D9-THC

0.0800

0.8000

0.0001



Water Activity





Moisture

NOT TESTED

Terpenes TESTED

MISC.

PASSED CANNABINOID RESULTS



**Total THC** 0.080%

THC/Container :24.00 mg



**Total CBD** CBD/Container:571.02 mg



**Total Cannabinoids** 

**Total Cannabinoids / Container** :0.000



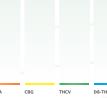
		П
		П
L CA	TOTAL CB	TO
	. CA	. CA TOTAL CB

70	2.0300	1.5050	0.0000	
mg/g	20.5799	19.0300	0.8000	
LOD	0.0000	0.0010	0.0010	
	%	%	%	





CBG 0.0120 ND 0.1200 ND 0.0010 0.0010 0.0010 0.0010



CBDV ND ND < 0.010

ND

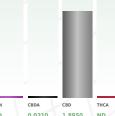
0.0010



0.0010

0.0010

0.0010





0.0001

0.0010



**PASSED** Extracted By 584

### Cannabinoid Profile Test

Weight Extraction date : Extracted By: alvsis Method -SOP.T.40.020. SOP.T.30.050 Batch Date: 01/09/20 09:28:37 Instrument Used : DA-LC-003

Dilution Consums. ID 123019.R09

Full spectrum cannabinoid analysis utilizing High for analysis. LOQ for all cannabinoids is 1 mg/L)

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# Jorge Segredo

Lab Director

State License # CMTL-0002 ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164



Signature

01/13/20



**Kaycha Labs** 

CBD Tincture - Natural

CBD Blend Matrix : Derivative



# **Certificate of Analysis**

Sample : DA00109010-003

Harvest/LOT ID: HS-CFOH0108202001

Batch#:HS-CFOH0108202001 Sampled:01/09/20 Ordered:01/09/20 Sample Size Received: 8.0 gram
Total Weight/Volume: 2000 gram
Completed: 01/13/20 Expires: 01/13/21
Sample Method: SOP Client Method

PASSED

Page 2 of 5



Total (%)

19000 SW 192 STREET

**Telephone:** 7865860672

**Email:** erick.ramirez@curaleaf.com

MIAMI, FL, 33187, US

# **Terpenes**

# **TESTED**

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes		LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND		SABINENE		0.007	ND	ND	
ALPHA-HUMULENE	0.007	ND	ND		SABINENE HYD	RATE	0.007	ND	ND	
ALPHA-PINENE	0.007	ND	ND		TERPINEOL		0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND		TERPINOLENE		0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND		BETA-CARYOPI	HYLLENE	0.007	ND	ND	
BETA-PINENE	0.007	ND	ND		TRANS-NEROL	DOL	0.007	ND	ND	
BORNEOL	0.013	ND	ND		VALENCENE		0.007	ND	ND	
AMPHENE	0.007	ND	ND							
CAMPHOR	0.013	ND	ND							
CARYOPHYLLENE DXIDE	0.007	ND	ND		æ			$\rightarrow \sim$	$\times \times \times$	
CEDROL	0.007	ND	ND		80%	Ter	penes	5 X X		TESTED
ALPHA-BISABOLOL	0.007	ND	ND							125125
SOPULEGOL	0.007	ND	ND		-0-					
IS-NEROLIDOL	0.007	ND	ND							
-CARENE	0.007	ND	ND			/ I	./()	(\/\	V. V `	X/\. L.\
ENCHYL ALCOHOL	0.007	ND	ND		Analyzed b	-	Veight	Extraction	on date	Extracted By
HEXAHYDROTHYM	0.007	ND	ND		1118	0.	.8894g	01/09/20 03:	01:36	1118
)L					Analysis Ma	ا اماط	OD T 40	000		
UCALYPTOL	0.007	ND	ND		Analysis Me					
SOBORNEOL	0.007	ND	ND		Analytical B				11	
ARNESENE	0.007	ND	ND		Instrument	Used:	Liquid In	jection GCN	1S QP2010	
ENCHONE	0.007	ND	ND		Running On	:				
GAMMA- TERPINENE	0.007	ND	ND		Batch Date	: 01/09	/20 10:01	.:56	Y = X	$X \wedge$
GERANIOL	0.007	ND	ND		Doogont		Dilutio	n/\	Consum	c ID
GERANYL ACETATE	0.007	ND	ND		Reagent		Dilutio	n \ /	Consum	S. ID
GUAIOL	0.007	ND	ND				10			
IMONENE	0.007	ND	ND				\ 10			
INALOOL	0.007	ND	ND		Terpenoid pro	ofile scre	eening is p	performed us	sing GC-MS wi	th Liquid Injection
IEROL	0.007	ND	ND							creen 38 terpenes
CIMENE	0.007	ND	ND		using Method	SOP.T.4	40.091 Tei	rpenoid Anal	ysis Via GC/M	S.
LPHA- PHELLANDRENE	0.007	ND	ND							
PULEGONE	0.007	ND	ND							

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0.000

## Jorge Segredo

Lab Director

State License # CMTL-0002 ISO Accreditation # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164



01/13/20

Signature Signed On



**DAVIE, FL, 33314, US** 

# **Kaycha Labs**

CBD Tincture - Natural

**CBD** Blend Matrix : Derivative



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Sample: DA00109010-003

Harvest/LOT ID: HS-CFOH0108202001

Batch# : HS-CFOH0108202001 Sampled: 01/09/20

Ordered: 01/09/20

Sample Size Received: 8.0 gram Total Weight/Volume: 2000 gram Completed: 01/13/20 Expires: 01/13/21 Sample Method: SOP Client Method

**PASSED** 

Page 3 of 5



NALED

19000 SW 192 STREET

**Telephone:** 7865860672

**Email:** erick.ramirez@curaleaf.com

MIAMI, FL, 33187, US

# **Pesticides**

# **PASSED**

Pesticides	LOD	Units	Action Level	Res	
CHLORDANE	0.005	ppm	0.1	ND	
CAPTAN	0.05	ppm	3	ND	
BOSCALID	0.01	PPM	3	ND	
DIMETHOATE	0.01	ppm	0.1	ND	
ABAMECTIN B1A	0.02	ppm	0.3	ND	
CIS-PERMETHRIN	0.05	ppm	1	ND	
SPINETORAM	0.01	PPM	3	ND	
ACEPHATE	0.001	ppm	3	ND	
DIMETHOMORPH	0.005	ppm	3	ND	
ETHOPROPHOS	0.01	ppm	0.1	ND	
ACEQUINOCYL	0.01	ppm	2	ND	
ACETAMIPRID	0.01	ppm	3	ND	
ETOFENPROX	0.01	ppm	0.1	ND	
ALDICARB	0.02	ppm	0.1	ND	
ETOXAZOLE	0.01	ppm	1.5	ND	
AZOXYSTROBIN	0.01	ppm	3	ND	
FENHEXAMID	0.01	ppm	3	ND	
BIFENAZATE	0.01	ppm	3	ND	
FENOXYCARB	0.01	ppm	0.1	ND	
FENPYROXIMATE	0.01	ppm	2	ND	
BIFENTHRIN	0.01	ppm	0.5	ND	
CARBARYL	0.01	ppm	0.5	ND	
FIPRONIL	0.02	ppm	0.1	ND	
FLONICAMID	0.01	ppm	2	ND	
CARBOFURAN	0.01	ppm	0.1	ND	
CHLORANTRANILIPROLE	0.01	ppm	3	ND	
FLUDIOXONIL	0.01	ppm	3	ND	
HEXYTHIAZOX	0.01	ppm	2	ND	
CHLORFENAPYR	0.01	ppm	0.1	ND	
IMAZALIL	0.01	ppm	0.1	ND	
CHLORPYRIFOS IMIDACLOPRID	0.01	ppm	0.1	ND	
	0.01	ppm	3	ND	
CLOFENTEZINE KRESOXIM-METHYL	0.01	ppm	0.5	ND	
COUMAPHOS	0.01	ppm	1	ND	
MALATHION	0.005	ppm	0.1	ND	
CYPERMETHRIN	0.01	ppm	2	ND	
DAMINOZIDE	0.01	ppm	1	ND	
METALAXYL	0.02	ppm	0.1	ND ND	
DICHLORVOS	0.01	ppm	3 0.1	ND ND	
METHIOCARB	0.05	ppm			
METHOCARB	0.01	ppm	0.1	ND ND	
DIAZANON		ppm	0.1		
MEVINPHOS	0.01	ppm		ND	
MYCLOBUTANIL	0.01	ppm	0.1	ND ND	
MALED	0.01	ppm	3	ND	

Pesticides	LOD	Units	Action Level	Result
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
TRANS-PERMETHRIN	0.05	ppm	1	ND
PHOSMET	0.01	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.05	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRIN I	0.01	ppm	1	ND
PYRIDABEN	0.01	ppm	3	ND
SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.02	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm	1	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND

E.	Pesticides	PASSED

Analyzed by Weight **Extraction date Extracted By** Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065,

Analytical Batch - DA009263PES

Instrument Used : LCMS E-SHI-039 Running On :

Batch Date: 01/09/20 09:34:39

Pesticide screen is performed using LC-MS and/or GC-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 GCMSMS. SOP.T.40.066/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). \*

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 # ISO/IEC 17025:2017 Accreditation PJLA-Testing 97164



01/13/20

Signature



**DAVIE, FL, 33314, US** 

## **Kaycha Labs**

CBD Tincture - Natural

**CBD** Blend Matrix: Derivative

# **PASSED**

**Certificate of Analysis** 

Sample: DA00109010-003

Harvest/LOT ID: HS-CFOH0108202001

Batch# : HS-CFOH0108202001 Sampled: 01/09/20 Ordered: 01/09/20

Sample Size Received: 8.0 gram Total Weight/Volume: 2000 gram Completed: 01/13/20 Expires: 01/13/21 Sample Method: SOP Client Method

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19000 SW 192 STREET

**Telephone:** 7865860672

Email: erick.ramirez@curaleaf.com

MIAMI, FL, 33187, US

## **Residual Solvents**

## **PASSED**



## **Residual Solvents**



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	120	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	96	ppm	2000	PASS	ND
ETHYLENE OXIDE	0.6	ppm	5	PASS	ND
METHANOL	22.5	ppm	250	PASS	<100.000
ETHANOL	90	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	67.5	ppm	750	PASS	ND
ETHYL ETHER	45	ppm	500	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
DICHLOROMETHANE	11.25	ppm	125	PASS	ND
N-HEXANE	4.5	ppm	250	PASS	ND
ETHYL ACETATE	36	ppm	400	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
HEPTANE	45	ppm	500	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND

4	 200	 	

Analyzed by Weight **Extraction date Extracted By** 01/09/20 03:01:34 0.0257a

Analysis Method -SOP.T.40.032 Analytical Batch -DA009285SOL Instrument Used: Headspace GCMS

Running On:

Batch Date: 01/09/20 15:31:49

Dilution	Consums. ID
1	00276446
	160861-1
	24152436
	Dilution 1

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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Lab Director

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Signature



**DAVIE, FL, 33314, US** 

## **Kaycha Labs**

CBD Tincture - Natural

**CBD** Blend Matrix: Derivative



**PASSED** 

# **Certificate of Analysis**

Sample: DA00109010-003

Harvest/LOT ID: HS-CFOH0108202001

Batch# : HS-CFOH0108202001 Sampled: 01/09/20 Ordered: 01/09/20

Sample Size Received: 8.0 gram Total Weight/Volume: 2000 gram Completed: 01/13/20 Expires: 01/13/21 Sample Method: SOP Client Method

Page 5 of 5



19000 SW 192 STREET

**Telephone:** 7865860672

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MIAMI, FL, 33187, US

### **Microbials**

# PASSED



# Mycotoxins

# **PASSED**

Analyte	LOD R	esult	Action Level (cfu/g)
ASPERGILLUS_FLAVUS	not prese	ent in 1 gram.	
ASPERGILLUS_FUMIGATUS	not prese	ent in 1 gram.	
ASPERGILLUS_NIGER	not prese	ent in 1 gram.	
ASPERGILLUS_TERREUS	not prese	ent in 1 gram.	
ESCHERICHIA_COLI_SHIGELLA_SP	P not prese	ent in 1 gram.	
SALMONELLA_SPECIFIC_GENE	not prese	ent in 1 gram.	
TOTAL_YEAST_AND_MOLD	not prese	ent in 1 gram.	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041 Analytical Batch -DA009274MIC Batch Date: 01/09/20, 01/09/20 Instrument Used: PathogenDX PCR\_Array Scanner, PathogenDX PCR\_Array Scanner

Running On:

Analyzed by 513,	Weight 1g	Extraction date NA	Extracted By NA,	
Reagent	Consums. ID		Consums. ID	
010920.R03	2802012 2803022 A02 010A 020		2805021 19193	

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 sample fails the microbiological-impurity testing. Pour-plating is used for quantitation and confirmation, Total Yeast and Mold has an action limit of 100,000 CFU.

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	
AFLATOXIN G1	0.002	ppm	ND	
AFLATOXIN B2	0.002	ppm	ND	
AFLATOXIN B1	0.002	ppm	ND	
OCHRATOXIN A+	0.002	ppm	ND	0.02
TOTAL AFLATOXINS	0.02	PPM	ND	0.02

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

Analytical Batch -DA009264 Instrument Used: LCMS E-SHI-039

Running On:

Batch Date: 01/09/20 09:34:41

Analyzed by	Weight	Extraction date	Extracted By	
- 585	1g	NA	NA	
			V N T	

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
010220.R09	111319.01	50
010920.R02		
010620.R02		
010920.R01		
010320.R03		
010220.R04		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.01	PPM	ND	1.5
CADMIUM	0.01	PPM	ND	0.5
LEAD	0.01	PPM	ND	0.5
MERCURY	0.01	PPM	ND	3
Analyzed by	Weight	Extraction date		Extracted By
53	0.2654g	01/09/20 01	1:01:53	457

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

Analytical Batch -DA009281HEA Instrument Used: ICPMS-2030

Running On:

Batch Date: 01/09/20 13:28:19

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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