

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

Certificate of Analysis

Kaycha Labs

THC Banana Hammock Distillate Banana Hammock Matrix: Derivative

Sample:DA00205016-001 Harvest/Lot ID: HS-TSP0203202001

Cultivation Facility: Miami Cultivation Processing Facility: Homestead Processing

Seed to Sale #9778 0193 3428 9190

Batch Date :02/03/20 Batch#: HS-TSP0203202001

Sample Size Received: 7 gram Total Weight/Volume: 2328 gram

Retail Product Size: 0.5 ml gram

Ordered: 02/05/20 **sampled**: 02/05/20

Completed: 02/10/20 Sampling Method: SOP Client Method

PASSED

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Feb 10, 2020 | CURALEAF FLORIDA LLC

19000 SW 192 STREET MIAMI, FL, 33187, US



PRODUCT IMAGE

SAFETY RESULTS



Pesticides PASSED



Heavy Metals PASSED



Microbials

PASSED

Mycotoxins PASSED



Residuals Solvents PASSED



Filth PASSED



Water Activity



Moisture NOT TESTED



Terpenes TESTED

MISC.

CANNABINOID RESULTS



Total THC **84.298**%



Total CBD
0.740%
CBD/Container :3.70 mg



Total Cannabinoids
89.585%

Total Cannabinoids / Container :0.000





Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :		Extracted By :	
1224	0.1149g	02/05/20 02:02:19		965	
Analysis Method -SOP.T.40.0	20, SOP.T.30.050			Batch Date: 02/05/20 12:54:18	
Analytical Batch -DA010015P	OT Instrume	nt Used : DA-LC-003			
Reagent		Dilution	Consums. ID		
020420.R12		400	181205		

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



02/10/20



THC Banana Hammock Distillate

Banana Hammock Matrix : Derivative



PASSED

DAVIE, FL, 33314, US

Certificate of Analysis

Sample: DA00205016-001

Harvest/LOT ID: HS-TSP0203202001

Batch# : HS-TSP0203202001

Sampled: 02/05/20 Ordered: 02/05/20

Sample Size Received: 7 gram Total Weight/Volume: 2328 gram Completed: 02/10/20 Expires: 02/10/21 Sample Method: SOP Client Method

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19000 SW 192 STREET

Telephone: 7865860672

Email: erick.ramirez@curaleaf.com

MIAMI, FL, 33187, US

Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	ND	ND	
ALPHA-PINENE	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND	
BETA-PINENE	0.007	ND	ND	
BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	ND	ND	
CAMPHOR	0.013	ND	ND	
CARYOPHYLLENE OXIDE	0.007	ND	ND	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	1.474	0.147	
SABINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINEOL	0.007	ND	ND	
TERPINOLENE	0.007	ND	ND	
BETA- CARYOPHYLLENE	0.007	< 0.2	< 0.020	
TRANS-NEROLIDOL	0.007	< 0.2	< 0.020	
VALENCENE	0.007	ND	ND	
PULEGONE	0.007	ND	ND	
ALPHA- PHELLANDRENE	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
NEROL	0.007	ND	ND	
LINALOOL	0.007	ND	ND	
LIMONENE	0.007	ND	ND	
GUAIOL	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND	
GERANIOL	0.007	ND	ND	
GAMMA- TERPINENE	0.007	ND	ND	
FENCHONE	0.007	ND	ND	
FARNESENE	0.007	0.200	0.020	
Total (%)	0	147		

Terpenes	LOD(%)	mg/g	%
EUCALYPTOL	0.007	ND	ND
ISOBORNEOL	0.007	ND	ND
HEXAHYDROTHYMOL	0.007	ND	ND
FENCHYL ALCOHOL	0.007	ND	ND
3-CARENE	0.007	ND	ND
CIS-NEROLIDOL	0.007	ND	ND
ISOPULEGOL	0.007	ND	ND

Terpenes

TESTED

Result (%)

Analyzed	Į
1351	

Weight 0.9728a

Extraction date 02/05/20 02:02:29

Extracted By

Analysis Method -SOP.T.40.090 **Analytical Batch -DA009992TER**

Instrument Used: Liquid Injection GCMS QP2010

Running On:

Batch Date: 02/05/20 09:11:14

Reagent	Dilution	Consums. ID
052119.04	10	180711
		1929\/5//5/

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

Total (%)

0.147

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Jorge Segredo

Lab Director

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02/10/20

Signature



THC Banana Hammock Distillate

Banana Hammock Matrix: Derivative



DAVIE, FL, 33314, US

Certificate of Analysis

Sample: DA00205016-001

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Batch# : HS-TSP0203202001

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Sample Size Received: 7 gram Total Weight/Volume: 2328 gram Completed: 02/10/20 Expires: 02/10/21 Sample Method: SOP Client Method

PASSED

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MIAMI, FL, 33187, US

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Res
ABAMECTIN B1A	0.02	ppm	0.1	ND
ACEPHATE	0.001	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	0.1	ND
CAPTAN	0.05	ppm	0.7	ND
CARBARYL	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	1/	ND
CHLORDANE	0.005	ppm	0.1	ND
CHLORFENAPYR	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.2	ND
COUMAPHOS	0.005	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	0.5	ND
DAMINOZIDE	0.02	ppm	0.1	ND
DIAZANON	0.01	ppm	0.1	ND
DICHLORVOS	0.05	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.005	ppm	0.2	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	0.1	ND
FENHEXAMID	0.01	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	0.1	ND
FIPRONIL	0.02	ppm	0.1	ND
FLONICAMID	0.01	ppm	0.1	ND
FLUDIOXONIL	0.01	ppm	0.1	ND
HEXYTHIAZOX	0.01	ppm	0.1	ND
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	0.4	ND
KRESOXIM-METHYL	0.01	ppm	0.1	ND
MALATHION	0.01	ppm	0.2	ND
METALAXYL	0.01	ppm	0.1	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	0.1	ND
NALED	0.01	ppm	0.25	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
	U.UI	ppiii	0.1	ND

Pesticides	LOD	Units	Action Level	Result
PHOSMET	0.01	ppm	0.1	ND
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.05	ppm	0.1	ND
PROPICONAZOLE	0.01	ppm	0.1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.01	ppm	0.5	ND
PYRIDABEN	0.01	ppm	0.2	ND
SPINETORAM	0.01	PPM	0.2	ND
SPIROMESIFEN	0.01	ppm	0.1	ND
SPIROTETRAMAT	0.02	ppm	0.1	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	0.1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm	0.5	ND
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	PPM	5	ND
TOTAL PERMETHRIN	1	ppm	0.1	ND
TOTAL SPINOSAD	1	ppm	0.1	ND
TRIFLOXYSTROBIN	0.01	ppm	0.1	ND

Pesticides PASSED

Analyzed by **Extraction date Extracted By** 585

 $\textbf{Analysis Method} \cdot \texttt{SOP.T.} 30.065, \texttt{SOP.T.} 40.065, \texttt{SOP.T.} 40.066, \texttt{SOP.T.} 40.070 \text{ , } \texttt{SOP.T.} 30.065, \texttt{SOP.T.} 40.070$ Analytical Batch - DA010010PES

Instrument Used : DA-LCMS-001_DER Running On :

Batch Date: 02/05/20 12:19:56 Consums, ID

Reagent Dilution 10 180711

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

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02/10/20

Signature



THC Banana Hammock Distillate

Banana Hammock Matrix : Derivative



Certificate of Analysis

PASSED

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Harvest/LOT ID: HS-TSP0203202001

Batch#: HS-TSP0203202001

Sampled: 02/05/20 **Ordered**: 02/05/20

Sample Size Received: 7 gram
Total Weight/Volume: 2328 gram
Completed: 02/10/20 Expires: 02/10/21
Sample Method: SOP Client Method

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MIAMI, FL, 33187, US

Residual Solvents

PASSED



Residual Solvents



Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	5000	PASS	ND
ETHYL ACETATE	36	ppm	400	PASS	ND
ETHYL ETHER	45	ppm	500	PASS	ND
ETHYLENE OXIDE	0.6	ppm	5	PASS	ND
HEPTANE	45	ppm	5000	PASS	ND
METHANOL	22.5	ppm	250	PASS	ND
N-HEXANE	4.5	ppm	250	PASS	ND
PENTANES (N-PENTANE)	67.5	ppm	750	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
PROPANE	120	ppm	5000	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

Analyzed by Weight Extraction date Extracted By 0.0239g 02/05/20 03:02:29 850

Analysis Method -SOP.T.40.032 Analytical Batch -DA009985SOL Instrument Used : Headspace GCMS

Running On:

Batch Date: 02/04/20 17:48:09

Reagent	Dilution	Consums. ID
	1	00268767
		160861-1
		24152436

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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02/10/20

Signature



THC Banana Hammock Distillate

Banana Hammock Matrix : Derivative



PASSED

Certificate of Analysis

Sample : DA00205016-001

Harvest/LOT ID: HS-TSP0203202001

Batch#: HS-TSP0203202001 Sampled: 02/05/20

Sampled: 02/05/20 Ordered: 02/05/20 Sample Size Received: 7 gram
Total Weight/Volume: 2328 gram
Completed: 02/10/20 Expires: 02/10/21
Sample Method: SOP Client Method

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MIAMI, FL, 33187, US

Microbials

PASSED



Mycotoxins



Analyte	LOD Result	Action Level (cfu/g)
ASPERGILLUS_FLAVUS	not present in 1 gram	
ASPERGILLUS_FUMIGATUS	not present in 1 gram	
ASPERGILLUS_NIGER	not present in 1 gram	
ASPERGILLUS_TERREUS	not present in 1 gram	
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram	
SALMONELLA_SPECIFIC_GENE	not present in 1 gram	. / / / /
STAPHYLOCOCCUS_AUREUS	not present in 1 gram	
TOTAL_YEAST_AND_MOLD	not present in 1 gram	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA010082MIC Batch Date : 02/05/20, 02/05/20
Instrument Used : PathogenDX PCR_Array Scanner, PathogenDX PCR_Array Scanner
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513,	1.0643g	02/07/20	513,

Reagent	Consums. ID	Consums. ID
122719.101	181019-274	50AX26219
122719.81	SG298A	19323
013120.31	181207119C	23819111
122719.127	918C4	104867-12
	923C4-923AK	190611634
	929C6-929H	

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 Jysate 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

Analysis Method -SOP.T.30.065, SOP.T.40.065 Analytical Batch -DA010011

Instrument Used : DA-LCMS-001_DER

Running On:

111319.01

Batch Date: 02/05/20 12:21:03

Analyzed by	Weight	Extraction date	Extracted By	
585	1g	02/05/20 05:02:36	585	

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.

Hg	Heavy Metals	PASSED
Decemb	Para	Dilution .

Reagent	Reagent	Dilution
020320.R22	012920.R01	50
020520.R02		
012920.R05		
012920.R03		
020520 001		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.01	PPM	ND	0.2
CADMIUM	0.01	PPM	ND	0.2
LEAD	0.01	PPM	ND	0.5
MERCURY	0.01	PPM	ND	0.2
Analyzed by	Weight	Extractio	n date	Extracted By
457	0.2682g	02/05/20 0	3:02:19	457

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

Analytical Batch -DA010018HEA Instrument Used : ICPMS-2030 Running On :

Batch Date: 02/05/20 13:23:48

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.40.055 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

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