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

Kaycha Labs

THC Shatter/Wax Citrus Farmer
Citrus Farmer
Matrix: Derivative

Certificate of Analysis

Sample:DA91003009-001
Harvest/Lot ID: HS-TETH0926201901
Cultivation Facility: Miami Cultivation
Processing Facility : Homestead Processing
Seed to Sale #5823 7895 5362 5043
Batch Date :N/A
Batch#: HS-TETH0926201901
Sample Size Received: 7 gram
Total Weight/Volume: 350 gram
Retail Product Size: 1.0 gram gram
Ordered : 10/03/19
sampled : 10/03/19
Completed: 10/08/19
Sampling Method: SOP Client Method

Oct 08, 2019 | CURALEAF FLORIDA LLC

19000 SW 192 STREET
MIAMI, FL, 33187, US

PASSED

PRODUCT IMAGE

SAFETY RESULTS

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED

MISC.

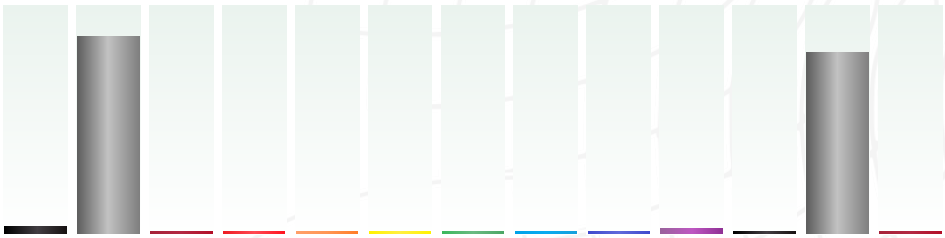
Terpenes
TESTED

CANNABINOID RESULTS

Total THC
75.497%
THC/Container :754.98 mg

Total CBD
0.276%
CBD/Container :2.76 mg

Total Cannabinoids
0.000%
Total Cannabinoids / Container :0.000



	D9-THC	THCA	CBD	CBDA	CBN	CBDV	D8-THC	THCV	CBG	CBGA	CBC	TOTAL TH	TOTAL CB
%	2.5750	83.1500	0.0200	0.2920	ND	ND	0.2760	0.0280	0.4380	2.3940	ND	75.4970	0.2760
mg/g	25.7500	831.5000	0.2000	2.9200	ND	ND	2.7599	0.2800	4.3800	23.9400	ND	754.9700	2.7599
LOD	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010
	%	%	%	%	%	%	%	%	%	%	%		

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
372	0.1020g	10/03/19 03:10:48	574

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA006847 **Instrument Used :** **Batch Date :**

Reagent	Dilution	Consums. ID
100219.R03		76124-662
100119.R07		SFN-BX-1025
100219.R02		923C4-923AK
		910C6 - 910H

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).

Filth PASSED

Analyzed By	Weight	Extraction date	Extracted By	
53	1g	NA		NA
Analyte			**LOD**	**Result**
Filth and Foreign Material			0	ND

Analysis Method -SOP.T.40.013 **Batch Date :**
Analytical Batch -DA006874
Instrument Used :

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Jorge Segredo
Lab Director

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

Signature

10/08/19
Signed On

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DAVIE, FL, 33314, US

Kaycha Labs
THC Shatter/Wax Citrus Farmer
Citrus Farmer
Matrix : Derivative

Certificate of Analysis

PASSED

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91003009-001
Harvest/LOT ID: HS-TETH0926201901

Batch# : HS-TETH0926201901
Sampled : 10/03/19
Ordered : 10/03/19

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 10/08/19 **Expires:** 10/08/20
Sample Method : SOP Client Method

Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	2.143	0.214	
ALPHA-PINENE	0.007	< 0.2	< 0.020	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	0.982	0.098	
BETA-PINENE	0.007	< 0.2	< 0.020	
BORNEOL	0.013	0.444	0.044	
CAMPHENE	0.007	ND	ND	
CAMPHOR	0.013	ND	ND	
CARYOPHYLLENE OXIDE	0.007	0.273	0.027	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	1.079	0.107	
ISOPULEGOL	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
3-CARENE	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	1.311	0.131	
HEXAHYDROTHYMOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND	
ISOBORNEOL	0.007	ND	ND	
FARNESENE	0.007	21.003	2.100	
FENCHONE	0.007	< 0.2	< 0.020	
GAMMA-TERPINENE	0.007	ND	ND	
GERANIOL	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND	
GUAIOL	0.007	3.622	0.362	
LIMONENE	0.007	1.428	0.142	
LINALOOL	0.007	4.527	0.452	
NEROL	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND	
PULEGONE	0.007	ND	ND	
SABINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINEOL	0.007	2.147	0.214	
TERPINOLENE	0.007	ND	ND	
TRANS-CARYOPHYLLENE	0.007	6.641	0.664	
TRANS-NEROLIDOL	0.007	ND	ND	
VALENCENE	0.007	ND	ND	

Total (%) 4.560

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
585	1.0456g	10/03/19 07:10:25	585

Analysis Method -SOP.T.40.090
Analytical Batch -DA006866
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
100219.R01	10	180711 SFN-BX-1025 923C4-923AK 910C6 - 910H

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.

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

Signature

10/08/19
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Kaycha Labs

THC Shatter/Wax Citrus Farmer
Citrus Farmer
Matrix : Derivative

Certificate of Analysis

PASSED

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91003009-001
Harvest/LOT ID: HS-TETH0926201901

Batch# : HS-TETH0926201901
Sampled : 10/03/19
Ordered : 10/03/19

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 10/08/19 **Expires:** 10/08/20
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND
ABAMECTIN B1A	0.02	ppm	0.1	ND
CIS-PERMETHRIN	0.05	ppm	0.1	ND
SPINETORAM	0.01	PPM		ND
ACEPHATE	0.001	ppm	0.1	ND
DIMETHOMORPH	0.005	ppm	0.2	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	0.01	ND
FENHEXAMID	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.1	ND
CARBARYL	0.01	ppm	0.5	ND
FIPRONIL	0.02	ppm	0.1	ND
FLONICAMID	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	1	ND
FLUDIOXONIL	0.01	ppm	0.1	ND
HEXYTHIAZOX	0.01	ppm	0.1	ND
CHLORFENAPYR	0.01	ppm	0.1	ND
IMAZALIL	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	0.4	ND
CLOFENTEZINE	0.01	ppm	0.2	ND
KRESOXIM-METHYL	0.01	ppm	0.1	ND
COUMAPHOS	0.005	ppm	0.1	ND
MALATHION	0.01	ppm	0.2	ND
CYPERMETHRIN	0.01	ppm	0.5	ND
DAMINOZIDE	0.01	ppm	0.1	ND
METALAXYL	0.01	ppm	0.02	ND
DICHLORVOS	0.05	ppm	0.1	ND
METHIOCARB	0.01	ppm	0.05	ND
METHOMYL	0.01	ppm	0.1	ND
DIAZANON	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
TRANS-PERMETHRIN	0.05	ppm	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
PYRETHRIN I	0.01	ppm	0.5	ND
PYRIDABEN	0.01	ppm	0.2	ND
SPINOSAD (SPINOSYN A)	0.01	ppm	0.1	ND
SPINOSAD (SPINOSYN D)	0.01	ppm	0.1	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
TRIFLOXYSTROBIN	0.01	ppm	0.1	ND

Pesticides — PASSED

Analyzed by
357

Weight
1.0174g

Extraction date
10/03/19 09:10:15

Extracted By
357

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA006863
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
	10	

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.T40.065/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.

Jorge Segredo
Lab Director

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

Signature

10/08/19
Signed On

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Kaycha Labs

THC Shatter/Wax Citrus Farmer
Citrus Farmer
Matrix : Derivative

Certificate of Analysis

PASSED

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Sample : DA91003009-001
Harvest/LOT ID: HS-TETH0926201901

Batch# : HS-TETH0926201901
Sampled : 10/03/19
Ordered : 10/03/19

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 10/08/19 **Expires:** 10/08/20
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
1,1-DICHLOROETHENE	0.2	ppm	8	PASS	ND
2-ETHOXYETHANOL	9.6	ppm		PASS	ND
2-PROPANOL	140	ppm	500	PASS	ND
ACETONE	140	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (ISO-BUTANE)	50	ppm	2000	PASS	ND
BUTANES (N-BUTANE)	50	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
ETHANOL	140	ppm	5000	PASS	2889.025
ETHYL ACETATE	140	ppm	400	PASS	ND
CYCLOHEXANE	232.8	ppm		PASS	ND
DICHLOROMETHANE	36	ppm		PASS	ND
ETHYL ETHER	140	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
ETHYLBENZENE	130.2	ppm		PASS	ND
HEPTANE	140	ppm	500	PASS	ND
HEXANES (2,2-DIMETHYLBUTANE)	17.4	ppm	60	PASS	ND
HEXANES (2,3-DIMETHYLBUTANE)	17.4	ppm	60	PASS	ND
HEXANES (2-METHYLPENTANE)	17.4	ppm	60	PASS	ND
HEXANES (3-METHYLPENTANE)	17.4	ppm	60	PASS	ND
ISOPROPYL ACETATE	140	ppm		PASS	ND
METHALENE CHLORIDE	1	ppm	125	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	17.4	ppm	60	PASS	ND
PENTANES (ISO-PENTANE)	140	ppm		PASS	ND
PENTANES (N-PENTANE)	50	ppm	750	PASS	ND
PENTANES (NEO-PENTANE)	50	ppm		PASS	ND
PROPANE	10	ppm	2100	PASS	<20.000
TETRAHYDROFURAN	43.2	ppm		PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	1	ppm	150	PASS	ND
TRICHLOROETHYLENE	0.2	ppm	25	PASS	<2.000

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0256g	10/03/19 02:10:59	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA006855
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
	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).

Jorge Segredo
Lab Director

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Signature

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DAVIE, FL, 33314, US

Kaycha Labs

THC Shatter/Wax Citrus Farmer
Citrus Farmer
Matrix : Derivative

Certificate of Analysis

PASSED

Sample : DA91003009-001
Harvest/LOT ID: HS-TETH0926201901

19000 SW 192 STREET
MIAMI, FL, 33187, US
Telephone: 7865860672
Email: erick.ramirez@curaleaf.com

Batch# : HS-TETH0926201901
Sampled : 10/03/19
Ordered : 10/03/19

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 10/08/19 **Expires:** 10/08/20
Sample Method : SOP Client Method

Microbials — PASSED

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

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA006836 **Batch Date :**
Instrument Used :
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513	1.0220g	10/03/19	513

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.

Mycotoxins — PASSED

Analyte	LOD	Units	Result	Action Level (PPM)

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA006864
Instrument Used :
Running On :
Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
357	1g	10/08/19 02:10:22	357

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 — PASSED

Dilution
50

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0008369	ppm	0.016	0.2
CADMIUM	0.0022201	ppm	ND	0.2
LEAD	0.0032903	ppm	0.014	0.5
MERCURY	0.0028556	ppm	ND	0.2

Analyzed by	Weight	Extraction date	Extracted By
450	0.5097g	10/03/19 03:10:10	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA006837
Instrument Used :
Running On :
Batch Date :

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.

Jorge Segredo
Lab Director

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

Signature

10/08/19
Signed On