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

Kaycha Labs

THC Crumble - Layer Cake
Layer Cake
Matrix: Derivative

Certificate of Analysis

Sample:DA00310025-001
Harvest/Lot ID: HS-TETH0228202001
Cultivation Facility: Miami Cultivation
Processing Facility : Homestead Processing
Seed to Sale #3411 8552 5638 6139
Batch Date :N/A
Batch#: HS-TETH0228202001
Sample Size Received: 7.0 gram
Total Weight/Volume: 2000 gram
Retail Product Size: 1.0 gram gram
Ordered : 03/10/20
sampled : 03/10/20
Completed: 03/16/20
Sampling Method: SOP.T.20.010

Mar 16, 2020 | 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.

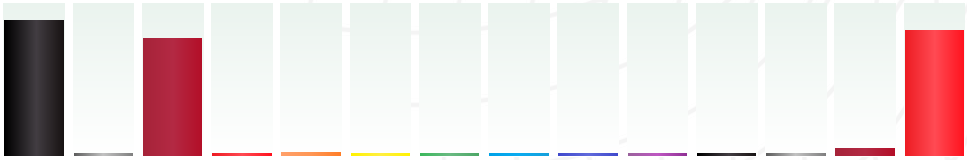
Terpenes
TESTED

CANNABINOID RESULTS

Total THC
78.043%
THC/Container :780.435 mg

Total CBD
0.208%
CBD/Container :2.087 mg

Total Cannabinoids
90.782%
Total Cannabinoids/Container :907.820 mg



	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
%	90.7820	0.2080	78.0430	ND	1.7150	0.4020	ND	ND	ND	ND	0.2380	ND	4.0080	84.4190
mg/g	907.8190	2.0800	780.4299	ND	17.1500	4.0190	ND	ND	ND	ND	2.3800	ND	40.0800	844.1900
LOD	0.0000	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0010	0.0001	0.0001	0.0010
	%	%	%	%	%	%	%	%	%	%	%			

Filth — PASSED

Analyzed By	Weight	Extraction date	Extracted By
584	1g	03/10/20	584

Analyte	LOD	Result
Filth and Foreign Material	0	ND

Analysis Method -SOP.T.40.013 **Batch Date :** 03/10/20 12:31:37
Analytical Batch -DA010854FIL **Reviewed On -** 03/10/20 14:47:08
Instrument Used : Filth/Foreign Material Microscope

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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	0.0988g	03/10/20 02:03:38	965

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 03/11/20 11:11:05 **Batch Date :** 03/10/20 09:32:59
Analytical Batch -DA010832POT **Instrument Used :** DA-LC-003

Reagent	Dilution	Consums. ID
022720.R11	400	180111 280653964 914C4-914AK 929C6-929H

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).

Jorge Segredo
Lab Director

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

Signature

03/16/20
Signed On

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Kaycha Labs

THC Crumble - Layer Cake
Layer Cake
Matrix : Derivative

Certificate of Analysis

PASSED

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

Sample : DA00310025-001
Harvest/LOT ID: HS-TETH0228202001

Batch# : HS-TETH0228202001
Sampled : 03/10/20
Ordered : 03/10/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 03/16/20 **Expires:** 03/16/21
Sample Method : SOP.T.20.010

Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	4.599	0.459	
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	< 0.4	< 0.040	
CAMPHENE	0.007	ND	ND	
CAMPHOR	0.013	ND	ND	
CARYOPHYLLENE OXIDE	0.007	0.381	0.038	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	1.662	0.166	
SABINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINEOL	0.007	4.639	0.463	
TERPINOLENE	0.007	ND	ND	
BETA-CARYOPHYLLENE	0.007	12.448	1.244	
TRANS-NEROLIDOL	0.007	0.664	0.066	
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	2.573	0.257	
LIMONENE	0.007	1.323	0.132	
GUAIOL	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND	
GERANIOL	0.007	0.452	0.045	
GAMMA-TERPINENE	0.007	ND	ND	
FENCHONE	0.007	ND	ND	
FARNESENE	0.007	0.912	0.091	
Total (%)		2.965		

Terpenes	LOD(%)	mg/g	%	Result (%)
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

Analyzed by	Weight	Extraction date	Extracted By
1351	0.9976g	03/11/20 10:03:58	1351

Analysis Method -SOP.T.40.090
Analytical Batch -DA010862TER **Reviewed On - 03/12/20 08:57:44**
Instrument Used : Liquid Injection GCMS QP2020 (E-SHI-128)
Running On :
Batch Date : 03/11/20 08:32:45

Reagent	Dilution	Consums. ID
021420.10	10	180111
012120.R13		280653964

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

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

Signature

03/16/20
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Kaycha Labs

THC Crumble - Layer Cake
Layer Cake
Matrix : Derivative

Certificate of Analysis

PASSED

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

Sample : DA00310025-001
Harvest/LOT ID: HS-TETH0228202001

Batch# : HS-TETH0228202001
Sampled : 03/10/20
Ordered : 03/10/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 03/16/20 **Expires:** 03/16/21
Sample Method : SOP.T.20.010

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND
CYPERMETHRIN	0.05	ppm	0.5	ND
CYFLUTHRIN	0.05	ppm	0.5	ND
CHLORFENAPYR	0.01	ppm	0.1	ND
METHYL PARATHION	0.005	ppm	0.1	ND
CAPTAN	0.07	ppm	0.7	ND
ABAMECTIN B1A	0.02	ppm	0.1	ND
ACEPHATE	0.001	ppm	0.1	ND
DICHLORVOS	0.05	ppm	0.1	ND
DIMETHOMORPH	0.005	ppm	0.2	ND
ACEQUINOCYL	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	0.1	ND
FENHEXAMID	0.01	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	0.1	ND
FENPYROXIMATE	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
IMAZALIL	0.01	ppm	0.1	ND
IMIDACLOPRID	0.01	ppm	0.4	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
KRESOXIM-METHYL	0.01	ppm	0.1	ND
MALATHION	0.01	ppm	0.2	ND
CLOFENTEZINE	0.01	ppm	0.2	ND
METALAXYL	0.01	ppm	0.1	ND
COUMAPHOS	0.005	ppm	0.1	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND
DAMINOZIDE	0.02	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

Pesticides	LOD	Units	Action Level	Result
PACLOBUTRAZOL	0.01	ppm	0.1	ND
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	0.014
TOTAL PERMETHRIN	1	ppm	0.1	ND
TOTAL SPINOSAD	1	ppm	0.1	0.014
TRIFLOXYSTROBIN	0.01	ppm	0.1	ND

Pesticides — PASSED

Analyzed by 585
Weight 1.0159g
Extraction date 03/10/20 03:03:28
Extracted By 1082

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 - DA010835PES
Reviewed On- 03/10/20 14:47:08
Instrument Used : DA-LCMS-001_DER
Running On :
Batch Date : 03/10/20 09:42:44

Reagent	Dilution	Consums. ID
020720.03	10	180111
030920.R14		280653964
030920.R15		

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

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

Signature

03/16/20
Signed On

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Layer Cake
Matrix : Derivative

Certificate of Analysis

PASSED

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

Sample : DA00310025-001
Harvest/LOT ID: HS-TETH0228202001

Batch# : HS-TETH0228202001
Sampled : 03/10/20
Ordered : 03/10/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 03/16/20 **Expires:** 03/16/21
Sample Method : SOP.T.20.010

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	0.430
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	5000	PASS	649.390
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
PROPANE	120	ppm	5000	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0220g	03/10/20 02:03:58	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA010858SOL **Reviewed On -** 03/11/20 14:25:01
Instrument Used : Headspace GCMS
Running On :
Batch Date : 03/10/20 14:09:24

Reagent	Dilution	Consums. ID
	1	00279984 161291-1 24154107

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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Layer Cake
Matrix : Derivative

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MIAMI, FL, 33187, US
Telephone: 7865860672
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Sample : DA00310025-001
Harvest/LOT ID: HS-TETH0228202001

Batch# : HS-TETH0228202001
Sampled : 03/10/20
Ordered : 03/10/20

Sample Size Received : 7.0 gram
Total Weight/Volume : 2000 gram
Completed : 03/16/20 **Expires:** 03/16/21
Sample Method : SOP.T.20.010

Microbials — PASSED

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.	
TOTAL_YEAST_AND_MOLD		<100	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA010899MIC , DA010828TYM Batch Date : 03/11/20, 03/10/20
Instrument Used : (Micro) 25-27C Incubator, PathogenDX PCR_Array Scanner
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513, 513	0.8374g	03/13/20	513, 513

Reagent	Reagent	Consums. ID	Consums. ID
012120.05	013120.245	3366H6	190223600
020320.56	013120.109	4603475C	181207119C
013120.93	121619.11	929C6-929H	50AX26219
013120.322	020320.65	190611634	19323
013120.261	013120.212	181019-274	
013120.415	013120.275	SG298A	

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)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA010836 | Reviewed On - 03/16/20 10:05:51
Instrument Used : DA-LCMS-001_DER
Running On :
Batch Date : 03/10/20 09:45:43

Analyzed by	Weight	Extraction date	Extracted By
585	1g	03/10/20 04:03:12	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.

Heavy Metals — PASSED

Reagent	Reagent	Dilution
030920.R16	030420.R01	50
031020.R01	030320.R12	
030920.R03	111319.02	
030920.R04		
030420.R03		
030920.R02		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	0.2
CADMIUM	0.02	PPM	ND	0.2
LEAD	0.02	PPM	ND	0.5
MERCURY	0.02	PPM	ND	0.2

Analyzed by	Weight	Extraction date	Extracted By
53	0.2832g	03/10/20 01:03:47	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA010827HEA | Reviewed On - 03/11/20 08:33:25
Instrument Used : ICPMS-2030 B
Running On :
Batch Date : 03/10/20 08:40:30

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

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

Signature

03/16/20
Signed On