



Certificate of Analysis

Mar 30, 2020 | CURALEAF FLORIDA LLC

19000 SW 192 STREET
MIAMI, FL, 33187, US



Sample: DA00326005-001
Harvest/Lot ID: HS-TETH0323202001
Cultivation Facility: Miami Cultivation
Processing Facility : Homestead Processing
Seed to Sale #9992 0548 6404 5173
Batch Date :03/23/20
Batch#: HS-TETH0323202001
Sample Size Received: 7 gram
Total Weight/Volume: 350 gram
Retail Product Size: 1.0 gram gram
Ordered : 03/26/20
sampled : 03/26/20
Completed: 03/30/20
Sampling Method: SOP.T.20.010

PASSED

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PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
TESTED

CANNABINOID RESULTS



Total THC

81.132%

THC/Container :811.322 mg



Total CBD

0.376%

CBD/Container :3.762 mg



Total Cannabinoids

95.618%

Total Cannabinoids/Container
:956.190 mg

	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
%	95.6180	0.3760	81.1320	ND	3.2450	0.6050	ND	ND	ND	ND	0.4290	ND	8.3500	82.9900
mg/g	956.1800	3.7600	811.3200	ND	32.4500	6.0500	ND	ND	ND	ND	4.2900	ND	83.5000	829.9000
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
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Filtration	PASSED
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Analyzed By	Weight	Extraction date	Extracted By
584	1g	03/26/20	584
Analyte	LOD	Result	
Filtration and Foreign Material	0	ND	
Analysis Method -SOP.T.40.013	Batch Date : 03/26/20 13:31:16		
Analytical Batch -DA011254FIL	Reviewed On - 03/26/20 13:32:22		
Instrument Used : Filtration/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 used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	0.1036g	NA	NA
Analysis Method -SOP.T.40.020, SOP.T.30.050	Reviewed On - 03/27/20 12:05:20		Batch Date : 03/26/20 10:07:32
Analytical Batch -DA011238POT	Instrument Used : DA-LC-003		
Reagent	Dilution	Consums. ID	
032320.11	400	180111	
032320.113		280653964	
032320.115		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).

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Jorge Segredo
Lab Director

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


Signature

03/30/20

Signed On



Certificate of Analysis

PASSED

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

Sample : DA00326005-001
Harvest/LOT ID: HS-TETH0323202001

Batch# : HS-TETH0323202001
Sampled : 03/26/20
Ordered : 03/26/20

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 03/30/20 **Expires:** 03/30/21
Sample Method : SOP.T.20.010

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Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND		EUCALYPTOL	0.007	0.246	0.024	
ALPHA-HUMULENE	0.007	5.630	0.563		ISOBORNEOL	0.007	< 0.2	< 0.020	
ALPHA-PINENE	0.007	ND	ND		HEXAHYDROTHYMOL	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND		FENCHYL ALCOHOL	0.007	1.354	0.135	
BETA-MYRCENE	0.007	0.401	0.040		3-CARENE	0.007	ND	ND	
BETA-PINENE	0.007	< 0.2	< 0.020		CIS-NEROLIDOL	0.007	ND	ND	
BORNEOL	0.013	0.412	0.041		ISOPULEGOL	0.007	ND	ND	
CAMPHENE	0.007	ND	ND						
CAMPHOR	0.013	0.553	0.055						
CARYOPHYLLENE OXIDE	0.007	0.814	0.081						
CEDROL	0.007	ND	ND						
ALPHA-BISABOOL	0.007	3.202	0.320						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	1.214	0.121						
TERPINOLENE	0.007	< 0.2	< 0.020						
BETA-CARYOPHYLLENE	0.007	17.429	1.742						
TRANS-NEROLIDOL	0.007	2.513	0.251						
VALENCENE	0.007	ND	ND						
PULEGONE	0.007	ND	ND						
ALPHA-PHELLANDRENE	0.007	ND	ND						
OCIMENE	0.007	ND	ND						
NEROL	0.007	< 0.2	< 0.020						
LINALOOL	0.007	2.247	0.224						
LIMONENE	0.007	2.297	0.229						
GUAJOL	0.007	< 0.2	< 0.020						
GERANYL ACETATE	0.007	ND	ND						
GERANIOL	0.007	ND	ND						
GAMMA-TERPINENE	0.007	ND	ND						
FENCHONE	0.007	< 0.2	< 0.020						
FARNESENE	0.007	43.921	4.392						
Total (%)		8.224							



Terpenes

TESTED
Analyzed by 1351 **Weight** 0.9356g **Extraction date** 03/26/20 12:03:12 **Extracted By** 1351

Analysis Method -SOP.T.40.090
Analytical Batch -DA011230TER **Reviewed On - 03/27/20 08:19:40**
Instrument Used : GA-Triple Quad GCMS Terp
Running On :
Batch Date : 03/26/20 08:05:24

Reagent	Dilution	Consums. ID
021420.11	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.



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Harvest/LOT ID: HS-TETH0323202001

Batch# : HS-TETH0323202001
Sampled : 03/26/20
Ordered : 03/26/20


Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 03/30/20 **Expires:** 03/30/21
Sample Method : SOP.T.20.010

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.1	ND	OXAMYL	0.05	ppm	0.5	ND
ACEPHATE	0.01	ppm	0.1	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	0.1	ND	PHOSMET	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND	PIPERONYL BUTOXIDE	0.1	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	PRALLETHRIN	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	0.1	ND	PROPICONAZOLE	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	0.1	ND	PROPOXUR	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.1	ND	PYRETHRINS	0.05	ppm	0.5	ND
BOSCALID	0.01	PPM	0.1	ND	PYRIDABEN	0.02	ppm	0.2	ND
CAPTAN	0.07	ppm	0.7	ND	SPINETORAM	0.02	PPM	0.2	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	1	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	0.5	ND
CLOFENTEZINE	0.02	ppm	0.2	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	5	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	0.1	ND
CYFLUTHRIN	0.05	ppm	0.5	ND	TOTAL SPINOSAD	0.01	ppm	0.1	ND
CYPERMETHRIN	0.05	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	ND
DAMINOZIDE	0.01	ppm	0.1	ND					
DIAZANON	0.01	ppm	0.1	ND					
DICHLORVOS	0.01	ppm	0.1	ND					
DIMETHOATE	0.01	ppm	0.1	ND					
DIMETHOMORPH	0.02	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	0.01	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	0.04	ppm	0.4	ND					
KRESOXIM-METHYL	0.01	ppm	0.1	ND					
MALATHION	0.02	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					
METHYL PARATHION	0.005	ppm	0.1	ND					
MEVINPHOS	0.01	ppm	0.1	ND					
MYCLOBUTANIL	0.01	ppm	0.1	ND					
NALED	0.025	ppm	0.25	ND					


Pesticides

PASSED

Analyzed by 585	Weight 1.0884g	Extraction date 03/26/20 01:03:00	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.T.40.070			
Analytical Batch - DA011235PES		Reviewed On- 03/26/20 13:32:22	
Instrument Used - DA-LCMS-001_DER		Batch Date : 03/26/20 09:05:11	
Running On :			
Reagent	Dilution	Consums. ID	
033120.27	10	180111	
033220.816		280653964	
033220.817			

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.40.065/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.

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Jorge Segredo
 Lab Director

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


 Signature

03/30/20

Signed On



Certificate of Analysis

PASSED

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

Sample : DA00326005-001
Harvest/LOT ID: HS-TETH0323202001

Batch# : HS-TETH0323202001
Sampled : 03/26/20
Ordered : 03/26/20

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 03/30/20 **Expires:** 03/30/21
Sample Method : SOP.T.20.010

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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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	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	5000	PASS	3820.684
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	<17.400
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

Analyzed by 584	Weight 0.0240g	Extraction date 03/27/20 12:03:59	Extracted By 584
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Analysis Method -SOP.T.40.032 Analytical Batch -DA011247SOL Instrument Used : Headspace GCMS Running On : Batch Date : 03/26/20 12:28:06	Reviewed On - 03/27/20 14:41:34
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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).



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Harvest/LOT ID: HS-TETH0323202001

Batch# : HS-TETH0323202001
Sampled : 03/26/20
Ordered : 03/26/20

Sample Size Received : 7 gram
Total Weight/Volume : 350 gram
Completed : 03/30/20 **Expires:** 03/30/21
Sample Method : SOP.T.20.010

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	Microbials	PASSED
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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 -DA011233MIC , DA011234TYM **Batch Date :** 03/26/20, 03/26/20
Instrument Used : PathogenDX PCR_Array Scanner,PathogenDX PCR_DA-171,
PathogenDX PCR_Array Scanner
Running On :

Analyzed by	Weight	Extraction date	Extracted By
513, 513	1.0280g	03/26/20	513, 513

Reagent	Reagent	Reagent	Consums. ID	Consums. ID
012120.02	013120.334	022120.339	181019-274	50AX26219
121619.11	020420.361	013120.421	SG298A	19323
013120.94	013120.414	121719.17	181207119C	23819111
013120.130	121719.29	022120.81	918C4-918J	190611634
013120.223	122719.132	022120.145	914C4-914AK	
013120.142	013120.342	022120.146	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 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
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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 -DA011236 | **Reviewed On** - 03/27/20 10:37:21
Instrument Used : DA-LCMS-001_DER
Running On :
Batch Date : 03/26/20 09:06:15

Analyzed by	Weight	Extraction date	Extracted By
585	1g	03/26/20 03:03:01	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 <20ug/Kg.

	Heavy Metals	PASSED
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Reagent	Reagent	Dilution
032420.R06	031820.R01	50
032520.R02	031920.R01	
032420.R02	111319.02	
032420.R03		
031820.R03		
032520.R01		

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	0.2696g	03/26/20 01:03:16	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA011231HEA | **Reviewed On** - 03/30/20 07:52:35
Instrument Used : ICPMS-2030
Running On :
Batch Date : 03/26/20 08:34:48

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.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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Signature

03/30/20

Signed On