



# Certificate of Analysis

Mar 11, 2020 | CURALEAF FLORIDA LLC

19000 SW 192 STREET  
MIAMI, FL, 33187, US



Sample: DA00306020-003

Harvest/Lot ID: HS-TETH0301202001

Cultivation Facility: Miami Cultivation

Processing Facility : Homestead Processing

Seed to Sale #1660 8395 2292 4470

Batch Date : N/A

Batch#: HS-TETH0301202001

Sample Size Received: 7.0 gram

Total Weight/Volume: 2000 gram

Retail Product Size: 1.0 gram gram

Ordered : 03/06/20

sampled : 03/06/20

Completed: 03/11/20

Sampling Method: SOP.T.20.010

**PASSED**

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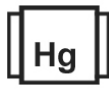
## PRODUCT IMAGE



## 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**

## MISC.

## CANNABINOID RESULTS



Total THC

**77.457%**

THC/Container : 774.573 mg



Total CBD

**0.221%**

CBD/Container : 2.219 mg



Total Cannabinoids

**90.277%**

Total Cannabinoids/Container : 902.770 mg

	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	DB-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
%	90.2770	0.2210	77.4569	ND	1.6720	0.3850	ND	ND	ND	ND	0.2530	ND	2.5219	85.4449
mg/g	902.7700	2.2100	774.5690	ND	16.7200	3.8500	ND	ND	ND	ND	2.5299	ND	25.2200	854.4500
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**

Analyzed By: 584  
Weight: 1g  
Extraction date: 03/06/20  
Extracted By: 584  
Analyte: LOD  
Filtration and Foreign Material  
Analysis Method -SOP.T.40.013  
Batch Date : 03/06/20 18:23:00  
Analytical Batch -DA010785FIL  
Reviewed On - 03/06/20 18:39:27  
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	0.1054g	03/06/20 12:03:49	965
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 03/09/20 09:35:10	Batch Date : 03/06/20 11:21:13
Analytical Batch -DA010765POT		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).

## Label Claim

Analyte	LOD	Units	Result
SERVINGS	1	servings	1.000
THC/SERVING	1	mg	774.572
CBD/SERVING	1	mg	2.218
CBN/CONTAINER	0.1	mg	ND
CBG/CONTAINER	1	mg	18.526

**PASSED**

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Jorge Segredo  
Lab Director

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

  
Signature

03/11/20

Signed On



# Certificate of Analysis

**PASSED**

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

**Sample :** DA00306020-003  
**Harvest/LOT ID:** HS-TETH0301202001

**Batch# :** HS-TETH0301202001  
**Sampled :** 03/06/20  
**Ordered :** 03/06/20

**Sample Size Received :** 7.0 gram  
**Total Weight/Volume :** 2000 gram  
**Completed :** 03/11/20 **Expires:** 03/11/21  
**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	ND	ND	
ALPHA-HUMULENE	0.007	4.712	0.471		ISOBORNEOL	0.007	ND	ND	
ALPHA-PINENE	0.007	ND	ND		HEXAHYDROTHYMOL	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND		FENCHYL ALCOHOL	0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND		3-CARENE	0.007	ND	ND	
BETA-PINENE	0.007	ND	ND		CIS-NEROLIDOL	0.007	ND	ND	
BORNEOL	0.013	ND	ND		ISOPULEGOL	0.007	ND	ND	
CAMPHENE	0.007	ND	ND						
CAMPHOR	0.013	ND	ND						
CARYOPHYLLENE OXIDE	0.007	0.342	0.034						
CEDROL	0.007	ND	ND						
ALPHA-BISABOOL	0.007	1.806	0.180						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	4.578	0.457						
TERPINOLENE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	13.586	1.358						
TRANS-NEROLIDOL	0.007	0.618	0.061						
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	2.576	0.257						
LIMONENE	0.007	2.223	0.222						
GUAJOL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
GERANIOL	0.007	0.415	0.041						
GAMMA-TERPINENE	0.007	ND	ND						
FENCHONE	0.007	ND	ND						
FARNESENE	0.007	11.031	1.103						
<b>Total (%)</b>		4.189							



## Terpenes

**TESTED**
**Analyzed by** 1351 **Weight** 0.9629g **Extraction date** 03/06/20 12:03:14 **Extracted By** 1351

**Analysis Method -SOP.T.40.090**  
**Analytical Batch -DA010703TER** **Reviewed On - 03/09/20 08:41:07**  
**Instrument Used : Liquid Injection GCMS QP2020 (E-SHI-128)**  
**Running On :**  
**Batch Date : 03/05/20 08:05:06**

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.



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**Sample Method :** SOP.T.20.010

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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
CYPERMETHRIN	0.05	ppm	0.5	ND	PHOSMET	0.01	ppm	0.1	ND
CYFLUTHRIN	0.05	ppm	0.5	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	PRALLETHRIN	0.05	ppm	0.1	ND
METHYL PARATHION	0.005	ppm	0.1	ND	PROPICONAZOLE	0.01	ppm	0.1	ND
CAPTAN	0.07	ppm	0.7	ND	PROPOXUR	0.01	ppm	0.1	ND
ABAMECTIN B1A	0.02	ppm	0.1	ND	PYRETHRINS	0.01	ppm	0.5	ND
ACEPHATE	0.001	ppm	0.1	ND	PYRIDABEN	0.01	ppm	0.2	ND
DICHLORVOS	0.05	ppm	0.1	ND	SPINETORAM	0.01	PPM	0.2	ND
DIMETHOMORPH	0.005	ppm	0.2	ND	SPIROMESIFEN	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.02	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND	SPIROXAMINE	0.01	ppm	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND	THIAMETHOXAM	0.01	ppm	0.5	ND
AZOXYSTROBIN	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	PPM	5	0.064
ETOXAZOLE	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	1	ppm	0.1	ND
BIFENAZATE	0.01	ppm	0.1	ND	TOTAL SPINOSAD	1	ppm	0.1	0.064
FENHEXAMID	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CHLORDANE *	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.1	ND	PCNB *	0.01	PPM	0.15	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

**PASSED**

<b>Analyzed by</b> 585 ,	<b>Weight</b> 0.8787g	<b>Extraction date</b> 03/10/20 04:03:58	<b>Extracted By</b> 585 , 584
<b>Analysis Method</b> - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T.40.070			
<b>Analytical Batch</b> - DA010840PES , DA010778		<b>Reviewed On</b> - 03/06/20 18:39:27	
<b>Instrument Used</b> : DA-LCMS-001_DER			
<b>Running On</b> :		<b>Batch Date</b> : 03/10/20 10:21:32	
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
020720.03 030920.014 030920.015	10	180111 280653964	
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

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

Signature

03/11/20

Signed On





# Certificate of Analysis

**PASSED**

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 MIAMI, FL, 33187, US  
**Telephone:** 7865860672  
**Email:** erick.ramirez@curaleaf.com

**Sample :** DA00306020-003  
**Harvest/LOT ID:** HS-TETH0301202001

**Batch# :** HS-TETH0301202001  
**Sampled :** 03/06/20  
**Ordered :** 03/06/20

**Sample Size Received :** 7.0 gram  
**Total Weight/Volume :** 2000 gram  
**Completed :** 03/11/20 **Expires:** 03/11/21  
**Sample Method :** SOP.T.20.010

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	<b>Residual Solvents</b>	<b>PASSED</b>
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	<b>Residual Solvents</b>	<b>PASSED</b>
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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	1685.229
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	<140.000
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
850	0.0300g	03/09/20 02:03:54	850
<b>Analysis Method -SOP.T.40.032</b> <b>Analytical Batch -DA010822SOL</b> <b>Instrument Used : Headspace GCMS</b> <b>Running On :</b> <b>Batch Date : 03/09/20 14:22:52</b>			
<b>Reviewed On - 03/10/20 11:29:09</b>			
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-TETH0301202001

**Batch# :** HS-TETH0301202001  
**Sampled :** 03/06/20  
**Ordered :** 03/06/20

**Sample Size Received :** 7.0 gram  
**Total Weight/Volume :** 2000 gram  
**Completed :** 03/11/20 **Expires:** 03/11/21  
**Sample Method :** SOP.T.20.010

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	<b>Microbials</b>	<b>PASSED</b>
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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 -DA010750MIC , DA010766TYM Batch Date : 03/06/20, 03/06/20  
 Instrument Used : PathogenDX PCR\_Array Scanner,PathogenDX PCR\_DA-010,  
 PathogenDX PCR\_Array Scanner  
 Running On :

Analyzed by	Weight	Extraction date	Extracted By
513, 513	1.0422g	03/06/20	1082, 513

Reagent	Reagent	Reagent	Reagent	Consums. ID	Consums. ID
082019.46	121719.22	013120.317	013120.217	181019-274	50AX26219
121619.09	013120.93	013120.401	013120.274	SG298A	19323
020320.58	013120.110	121719.06	013120.276	181207119C	23819111
013120.338	013120.141	013120.234		918C4-918J	190611634
013120.260	013120.303	121719.12		914C4-914AK	
013120.398	020320.67	013120.170		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.

	<b>Mycotoxins</b>	<b>PASSED</b>
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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 -DA010841MYC | Reviewed On - 03/11/20 16:30:46  
 Instrument Used : DA-LCMS-001\_DER  
 Running On :  
 Batch Date : 03/10/20 10:22:46

Analyzed by	Weight	Extraction date	Extracted By
585	1g	03/10/20 04:03:25	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.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Reagent	Dilution
030320.R13	030420.R01	50
030620.R01	030320.R12	
030220.R01	111319.02	
030220.R02		
030420.R03		
030420.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	<0.050	0.5
MERCURY	0.02	PPM	ND	0.2

Analyzed by	Weight	Extraction date	Extracted By
53	0.2673g	03/06/20 03:03:41	457

Analysis Method -SOP.T.40.050, SOP.T.30.052  
 Analytical Batch -DA010755HEA | Reviewed On - 03/09/20 08:39:04  
 Instrument Used : ICPMS-2030  
 Running On :  
 Batch Date : 03/06/20 08:49:19

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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**Jorge Segredo**  
 Lab Director

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

  
 Signature

03/11/20

Signed On