



# Certificate of Analysis

Feb 06, 2020 | CURALEAF FLORIDA LLC

19000 SW 192 STREET  
MIAMI, FL, 33187, US



Sample: DA00204016-005  
Harvest/Lot ID: HS-TETH0130202001  
Cultivation Facility: Miami Cultivation  
Processing Facility: Homestead Processing  
Seed to Sale #9093 1908 4119 7434  
Batch Date :01/30/20  
Batch#: HS-TETH0130202001  
Sample Size Received: 7 gram  
Total Weight/Volume: 350 gram  
Retail Product Size: 1.0 gram gram  
Ordered : 02/04/20  
sampled : 02/04/20  
Completed: 02/06/20  
Sampling Method: SOP Client Method

**PASSED**

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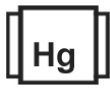
## PRODUCT IMAGE



## 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

**75.927%**

THC/Container :759.27 mg



Total CBD

**0.251%**

CBD/Container :2.52 mg



Total Cannabinoids

**87.256%**

Total Cannabinoids / Container  
:0.000

	TOTAL CA	TOTAL CB	TOTAL TH	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
%	87.2560	0.2510	75.9270	ND	0.1890	0.5570	ND	ND	ND	ND	0.2870	ND	2.5160	83.7069
mg/g	872.5600	2.5099	759.2700	ND	1.8900	5.5700	ND	ND	ND	ND	2.8700	ND	25.1600	837.0700
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	Weight	Extraction date	Extracted By
584	1g	02/04/20	584
Analyte			Result
Filtration and Foreign Material			ND
			LOD
			0
			Batch Date : 02/04/20
			15:58:04

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is used for inspection.

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	0.1175g	02/04/20 01:02:02	965
Analysis Method -SOP.T.40.020, SOP.T.30.050			Batch Date : 02/04/20 12:22:49
Analytical Batch -DA009972POT	Instrument Used : DA-LC-003		

Reagent	Dilution	Consumers. ID
123019.R09	400	181205
011020.R11		SPN-BX-1025
020320.R09		849CA-849AK
020320.R10		849CC-849BH

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

02/06/20

Signed On



# Certificate of Analysis

**PASSED**

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

**Sample :** DA00204016-005  
**Harvest/LOT ID:** HS-TETH0130202001

**Batch# :** HS-TETH0130202001  
**Sampled :** 02/04/20  
**Ordered :** 02/04/20

**Sample Size Received :** 7 gram  
**Total Weight/Volume :** 350 gram  
**Completed :** 02/06/20 **Expires:** 02/06/21  
**Sample Method :** SOP Client Method

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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	0.366	0.036	
ALPHA-HUMULENE	0.007	5.504	0.550		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	< 0.2	< 0.020	
BETA-MYRCENE	0.007	0.609	0.060		3-CARENE	0.007	ND	ND	
BETA-PINENE	0.007	< 0.2	< 0.020		CIS-NEROLIDOL	0.007	ND	ND	
BORNEOL	0.013	< 0.4	< 0.040		ISOPULEGOL	0.007	ND	ND	
CAMPHENE	0.007	ND	ND						
CAMPHOR	0.013	0.606	0.060						
CARYOPHYLLENE OXIDE	0.007	0.523	0.052						
CEDROL	0.007	ND	ND						
ALPHA-BISABOOL	0.007	2.980	0.298						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	0.790	0.079						
TERPINOLENE	0.007	< 0.2	< 0.020						
BETA-CARYOPHYLLENE	0.007	19.704	1.970						
TRANS-NEROLIDOL	0.007	1.488	0.148						
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	2.321	0.232						
LIMONENE	0.007	1.597	0.159						
GUAJOL	0.007	ND	ND						
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	61.763	6.176						
<b>Total (%)</b>		9.825							



## Terpenes

**TESTED**
**Analyzed by** 1351 **Weight** 1.0237g **Extraction date** 02/04/20 03:02:25 **Extracted By** 1351

**Analysis Method -SOP.T.40.090**  
**Analytical Batch -DA009953TER**  
**Instrument Used : Liquid Injection GCMS QP2010**  
**Running On :**  
**Batch Date : 02/04/20 07:55:31**

Reagent	Dilution	Consums. ID
052119.04	10	180711 280630187

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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**Batch# :** HS-TETH0130202001  
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**Completed :** 02/06/20 **Expires:** 02/06/21  
**Sample Method :** SOP Client Method

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**Pesticides**

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.02	ppm	0.1	ND	PHOSMET	0.01	ppm	0.1	ND
ACEPHATE	0.001	ppm	0.1	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	0.1	ND	PRALLETHRIN	0.05	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.1	ND	PROPICONAZOLE	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND	PROPOXUR	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	0.5	ND
BIFENAZATE	0.01	ppm	0.1	ND	PYRIDABEN	0.01	ppm	0.2	ND
BIFENTHRIN	0.01	ppm	0.1	ND	SPINETORAM	0.01	PPM	0.2	ND
BOSCALID	0.01	PPM	0.1	ND	SPIROMESIFEN	0.01	ppm	0.1	ND
CAPTAN	0.05	ppm	0.7	ND	SPIROTETRAMAT	0.02	ppm	0.1	ND
CARBARYL	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORDANE	0.005	ppm	0.1	ND	THIAMETHOXAM	0.01	ppm	0.5	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	PPM	5	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	1	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.2	ND	TOTAL SPINOSAD	1	ppm	0.1	ND
COUMAPHOS	0.005	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	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					


**Pesticides**

**PASSED**

**Analyzed by** 585  
**Weight** 0.8756g  
**Extraction date** 02/04/20 01:02:24  
**Extracted By** 585  
**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** - DA009973PES  
**Instrument Used** : DA-LCMS-001\_DER  
**Running On** :  
**Batch Date** : 02/04/20 12:28:00  
**Reagent** 111019-30  
**Dilution** 10  
**Consums. ID** 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.40.065/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

02/06/20

Signed On





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**Harvest/LOT ID:** HS-TETH0130202001

**Batch# :** HS-TETH0130202001  
**Sampled :** 02/04/20  
**Ordered :** 02/04/20

**Sample Size Received :** 7 gram  
**Total Weight/Volume :** 350 gram  
**Completed :** 02/06/20 **Expires:** 02/06/21  
**Sample Method :** SOP Client Method

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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	4015.574
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	<24.600
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

<b>Analyzed by</b> 850	<b>Weight</b> 0.0235g	<b>Extraction date</b> 02/04/20 05:02:33	<b>Extracted By</b> 850
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**Analysis Method -SOP.T.40.032**  
**Analytical Batch -DA009984SOL**  
**Instrument Used : Headspace GCMS**  
**Running On :**  
**Batch Date : 02/04/20 17:33:59**

Reagent	Dilution	Consums. ID
	1	161040-1 24151940 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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**Harvest/LOT ID:** HS-TETH0130202001

**Batch# :** HS-TETH0130202001  
**Sampled :** 02/04/20  
**Ordered :** 02/04/20

**Sample Size Received :** 7 gram  
**Total Weight/Volume :** 350 gram  
**Completed :** 02/06/20 **Expires:** 02/06/21  
**Sample Method :** SOP Client Method

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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.	
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** -DA009962MIC **Batch Date :** 02/04/20, 02/04/20  
**Instrument Used :** PathogenDX PCR\_Array Scanner,PathogenDX PCR\_NEW MINI AMP  
DA-089, PathogenDX PCR\_Array Scanner  
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
513,	1.0146g	02/04/20	357,

Reagent	Consums. ID	Consums. ID
020320.R20	181019-274	19323
122719.116	181207119C	23819111
013120.65	849C4-849AK	104867-12
	918C4	190611634
	929C6-929H	
	50AX30819	

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	
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** -DA009974  
**Instrument Used :** DA-LCMS-001\_DER  
**Running On :**  
**Batch Date :** 02/04/20 12:28:59

Analyzed by	Weight	Extraction date	Extracted By
585	1g	02/04/20 04:02:18	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
020320.R22	012920.R02	50
020420.R03	111319.01	
012920.R05	012920.R01	
012920.R06		
012920.R07		
012920.R03		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.01	PPM	<0.030	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	Extraction date	Extracted By
457	0.2670g	02/04/20 01:02:44	457

**Analysis Method** -SOP.T.40.050, SOP.T.30.052  
**Analytical Batch** -DA009976HEA  
**Instrument Used :** ICPMS-2030  
**Running On :**  
**Batch Date :** 02/04/20 13:02:46

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

02/06/20

Signed On