



# Certificate of Analysis

Sample: DA00401007-003  
Harvest/Lot ID: HS-TETH0327202001  
Cultivation Facility: Miami Cultivation  
Processing Facility: Homestead Processing  
Seed to Sale #4071 0812 2383 0968  
Batch Date :N/A  
Batch#: HS-TETH0327202001  
Sample Size Received: 7.0 gram  
Total Weight/Volume: 1000 gram  
Retail Product Size: 1.0 gram gram  
Ordered : 04/01/20  
sampled : 04/01/20  
Completed: 04/03/20  
Sampling Method: SOP.T.20.010

**PASSED**

Page 1 of 5

Apr 03, 2020 | CURALEAF FLORIDA LLC

19000 SW 192 STREET  
MIAMI, FL, 33187, US



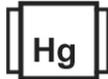
PRODUCT IMAGE



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



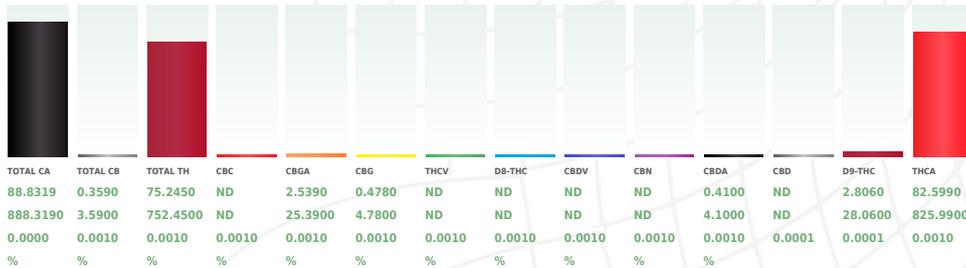
Total THC  
**75.245%**  
THC/Container : 752.453 mg



Total CBD  
**0.359%**  
CBD/Container : 3.596 mg



Total Cannabinoids  
**88.832%**  
Total Cannabinoids/Container : 888.320 mg



**Filtration PASSED**

Analyzed By: 584  
Weight: 1g  
Extraction date: 04/01/20  
Extracted By: 584  
Analyte: Filth and Foreign Material  
LOD: 0  
Result: ND  
Analysis Method -SOP.T.40.013  
Batch Date : 04/01/20 11:09:31  
Analytical Batch -DA011355FIL  
Reviewed On - 04/01/20 12:16:40  
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 used for inspection.

Cannabinoid Profile Test

Analyzed by: 450  
Weight: 0.1094g  
Extraction date: 04/01/20 12:04:46  
Reviewed On: 04/02/20 11:25:51  
Batch Date: 04/01/20 09:15:21  
Analysis Method -SOP.T.40.020, SOP.T.30.050  
Analytical Batch -DA011349POT  
Instrument Used : DA-LC-003 CBD

Reagent	Dilution	Consums. ID
032320.11	400	180111
033120.R19		280653964
033120.R18		914C4-914K
		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



Signature

04/03/20

Signed On

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



# Certificate of Analysis

**PASSED**

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

Sample : DA00401007-003  
Harvest/LOT ID: HS-TETH0327202001  
Batch# : HS-TETH0327202001  
Sampled : 04/01/20  
Ordered : 04/01/20

Sample Size Received : 7.0 gram  
Total Weight/Volume : 1000 gram  
Completed : 04/03/20 Expires: 04/03/21  
Sample Method : SOP.T.20.010

Page 2 of 5



## 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	5.590	0.559		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	0.549	0.054		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	0.727	0.072						
CEDROL	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	2.549	0.254						
SABINENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
TERPINEOL	0.007	1.638	0.163						
TERPINOLENE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	14.980	1.498						
TRANS-NEROLIDOL	0.007	ND	ND						
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	2.115	0.211						
LIMONENE	0.007	1.167	0.116						
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	ND	ND						
FARNESENE	0.007	13.339	1.333						
<b>Total (%)</b>		<b>4.265</b>							



## Terpenes

**TESTED**

**Analyzed by** 1351    **Weight** 0.9735g    **Extraction date** 04/01/20 11:04:30    **Extracted By** 1351

**Analysis Method -SOP.T.40.090**  
**Analytical Batch -DA011346TER**    **Reviewed On - 04/03/20 10:19:10**  
**Instrument Used : Liquid Injection GCMS QP2010**  
**Running On :**  
**Batch Date : 04/01/20 09:07:39**

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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**Jorge Segredo**  
Lab Director



04/03/20

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

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Email: erick.ramirez@curaleaf.com

Sample : DA00401007-003  
Harvest/LOT ID: HS-TETH0327202001

Batch# : HS-TETH0327202001  
Sampled : 04/01/20  
Ordered : 04/01/20

Sample Size Received : 7.0 gram  
Total Weight/Volume : 1000 gram  
Completed : 04/03/20 Expires: 04/03/21  
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					
FENOXICARB	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**

---

<b>Analyzed by</b> 585	<b>Weight</b> 1.0033g	<b>Extraction date</b> 04/01/20 12:04:43	<b>Extracted By</b> 1082
<small>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</small>			
<small>Analytical Batch - DA011347PES</small>		<small>Reviewed On- 04/01/20 12:16:40</small>	
<small>Instrument Used : DA-LCMS-001_DER</small>		<small>Batch Date : 04/01/20 09:13:33</small>	
<hr/>			
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
<small>032120.16 033120.815 033120.816</small>	10	<small>180111 280653964</small>	
<small>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.</small>			

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**Jorge Segredo**  
Lab Director



Signature

04/03/20

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

Signed On



# Certificate of Analysis

**PASSED**

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

Sample : DA00401007-003  
Harvest/LOT ID: HS-TETH0327202001  
Batch# : HS-TETH0327202001  
Sample Size Received : 7.0 gram  
Total Weight/Volume : 1000 gram  
Sampled : 04/01/20  
Completed : 04/03/20 Expires: 04/03/21  
Ordered : 04/01/20  
Sample Method : SOP.T.20.010

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## Residual Solvents

PASSED



## 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	<140.000
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	943.545
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

**Analyzed by** 850     **Weight** 0.0212g     **Extraction date** 04/01/20 02:04:55     **Extracted By** 850  
**Analysis Method -SOP.T.40.032**  
**Analytical Batch -DA011364SOL**     **Reviewed On - 04/02/20 12:11:27**  
**Instrument Used : Headspace GCMS**  
**Running On :**  
**Batch Date : 04/01/20 14:16:19**

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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**Jorge Segredo**  
Lab Director



Signature

04/03/20

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MIAMI, FL, 33187, US  
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Sample : DA00401007-003  
Harvest/LOT ID: HS-TETH0327202001  
Batch# : HS-TETH0327202001  
Sampled : 04/01/20  
Ordered : 04/01/20

Sample Size Received : 7.0 gram  
Total Weight/Volume : 1000 gram  
Completed : 04/03/20 Expires: 04/03/21  
Sample Method : SOP.T.20.010

Page 5 of 5



**Microbials**
PASSED



**Mycotoxins**
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 -DA011339MIC , DA011343TYM Batch Date : 04/01/20, 04/01/20  
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	1.0084g	04/01/20	357, 513

Reagent	Reagent	Consums. ID	Consums. ID
012120.03	121719.87	181019-274	50AX26219
101619.04	020420.365	SG298A	19323
013120.94	013120.410	181207119C	23819111
122719.32	013120.245	918C4-918J	104867-12
013120.112	022120.277	914C4-914AK	190611634
022120.176		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.

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 -DA011348 | Reviewed On - 04/02/20 13:32:52  
Instrument Used : DA-LCMS-001\_DER  
Running On :  
Batch Date : 04/01/20 09:15:03

Analyzed by	Weight	Extraction date	Extracted By
585	1g	04/01/20 02:04:30	585

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 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
032420.R06	033020.R05	50
033120.R10	033120.R12	
033020.R02	111319.02	
033020.R03		
033020.R06		
033020.R07		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	<0.100	0.2
CADMIUM	0.02	PPM	ND	0.2
LEAD	0.05	PPM	<0.250	0.5
MERCURY	0.02	PPM	ND	0.2

Analyzed by	Weight	Extraction date	Extracted By
53	0.2620g	04/01/20 01:04:28	457

Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -DA011342HEA | Reviewed On - 04/02/20 06:57:21  
Instrument Used : ICPMS-2030  
Running On :  
Batch Date : 04/01/20 08:40:45

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



04/03/20

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