



Certificate of Analysis

Sep 23, 2019 | CURALEAF FLORIDA LLC

19000 SW 192 STREET
MIAMI, FL, 33187, US



Sample: DA90918012-003

Harvest/Lot ID: HS-TETH0907201901

Cultivation Facility: Miami Cultivation

Processing Facility : Homestead Processing

Seed to Sale #9435 8132 4317 2823

Batch Date : N/A

Batch#: HS-TETH0907201901

Sample Size Received: 7.00 gram

Total Weight/Volume: 1000 gram

Retail Product Size: 1 gram gram

Ordered : 09/18/19

sampled : 09/18/19

Completed: 09/23/19

Sampling Method: SOP Client Method

PASSED

Page 1 of 5

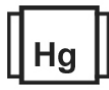
PRODUCT IMAGE



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

76.735%

THC/Container : 767.36 mg



Total CBD

0.218%

CBD/Container : 2.18 mg



Total Cannabinoids

0.000%

Total Cannabinoids / Container
: 0.000

	D9-THC	THCA	CBD	CBDa	CBN	CBDV	D8-THC	THCV	CBG	CBGa	CBC	TOTAL TH	TOTAL CB
%	2.5590	84.5800	ND	0.2490	ND	0.0400	0.2270	ND	0.4780	5.4750	ND	76.7350	0.2180
mg/g	25.5900	845.8000	ND	2.4900	ND	0.4000	2.2700	ND	4.7800	54.7500	ND	767.3500	2.1800
LOD	0.0332	0.0025	0.0243	0.0015	0.0011	0.0064	0.0068	0.0059	0.0045	0.0010	0.0011	0.0010	0.0010
%	%	%	%	%	%	%	%	%	%	%	%		

	Filtration	
	PASSED	

Analyzed By	Weight	Extraction date	Extracted By
584	1g	NA	NA
Analyte			Result
Filtration and Foreign Material			ND
Analysis Method -SOP.T.40.013			
Analytical Batch -DA006505			
Instrument Used :			

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 :
372	0.1043g	09/18/19 03:09:55	574
Analysis Method	Instrument Used :		Batch Date :
-SOP.T.40.020, SOP.T.30.050			
Analytical Batch -DA006470			

Reagent	Dilution	Consums. ID
091719.R06		76124-662
091719.R05		SPN-BK-1025
091819.R07		923C4-923AK
091019.R01		910C6 - 910H

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

09/23/19

Signed On



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

Sample : DA90918012-003
Harvest/LOT ID: HS-TETH0907201901

Batch# : HS-TETH0907201901
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Sample Size Received : 7.00 gram
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Sample Method : SOP Client Method

Page 2 of 5



Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
ALPHA-CEDRENE	0.007	ND	ND		SABINENE	0.007	ND	ND	
ALPHA-HUMULENE	0.007	1.498	0.149		SABINENE HYDRATE	0.007	ND	ND	
ALPHA-PINENE	0.007	< 0.2	< 0.020		TERPINEOL	0.007	0.751	0.075	
ALPHA-TERPINENE	0.007	ND	ND		TERPINOLENE	0.007	ND	ND	
BETA-MYRCENE	0.007	2.380	0.238		TRANS-CARYOPHYLLENE	0.007	5.431	0.543	
BETA-PINENE	0.007	< 0.2	< 0.020		TRANS-NEROLIDOL	0.007	0.754	0.075	
BORNEOL	0.013	< 0.4	< 0.040		VALENCENE	0.007	ND	ND	
CAMPHENE	0.007	ND	ND						
CAMPHOR	0.013	ND	ND						
CARYOPHYLLENE OXIDE	0.007	0.201	0.020						
CEDROL	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	0.275	0.027						
ISOPULEGOL	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
3-CARENE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	0.481	0.048						
HEXAHYDROTHYMOL	0.007	ND	ND						
EUCALYPTOL	0.007	< 0.2	< 0.020						
ISOBORNEOL	0.007	ND	ND						
FARNESENE	0.007	7.809	0.780						
FENCHONE	0.007	ND	ND						
GAMMA-TERPINENE	0.007	ND	ND						
GERANIOL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
GUAIOL	0.007	< 0.2	< 0.020						
LIMONENE	0.007	0.796	0.079						
LINALOOL	0.007	0.729	0.072						
NEROL	0.007	ND	ND						
OCIMENE	0.007	ND	ND						
ALPHA-PHELLANDRENE	0.007	< 0.2	< 0.020						
PULEGONE	0.007	ND	ND						



Terpenes

TESTED
Analyzed by 585 **Weight** 1.0066g **Extraction date** 09/18/19 05:09:36 **Extracted By** 585

Analysis Method -SOP.T.40.090
Analytical Batch -DA006456
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
091619.R07	10	180711
091819.R09		SFN-BX-1025
		923C4-923AK
		910C6 - 910H

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.

Total (%) 2.110



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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.05	ND	PACLOBUTRAZOL	0.01	ppm	0.05	ND
ABAMECTIN B1A	0.02	ppm	0.1	ND	TRANS-PERMETHRIN	0.05	ppm	0.1	ND
PENTACHLORONITROBENZENE	0.005	ppm	0.2	ND	PHOSMET	0.01	ppm	0.1	ND
METHYL PARATHION	0.005	ppm	0.2	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	0.025
CYFLUTHRIN	0.025	ppm	1	ND	PRALLETHRIN	0.05	ppm	0.1	ND
CIS-PERMETHRIN	0.05	ppm	0.1	ND	PROPICONAZOLE	0.01	ppm	0.1	ND
ACEPHATE	0.001	ppm	0.1	ND	PROPOXUR	0.01	ppm	0.1	ND
DIMETHOMORPH	0.005	ppm	0.05	ND	PYRETHRIN I	0.01	ppm	0.5	ND
ETHOPROPHOS	0.01	ppm	0.05	ND	PYRIDABEN	0.01	ppm	0.2	ND
ACEQUINOCYL	0.01	ppm	0.1	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	0.05	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.05	ND	SPIROMESIFEN	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.05	ND	SPIROTETRAMAT	0.02	ppm	0.1	ND
ETOXAZOLE	0.01	ppm	0.05	ND	SPIROXAMINE	0.01	ppm	0.05	ND
AZOXYSTROBIN	0.01	ppm	0.05	ND	TEBUCONAZOLE	0.01	ppm	0.05	ND
FENHEXAMID	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.05	ND
BIFENAZATE	0.01	ppm	0.1	ND	THIAMETHOXAM	0.01	ppm	0.05	ND
FENOXYCARB	0.01	ppm	0.05	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	ND
FENPYROXIMATE	0.01	ppm	0.5	ND					
BIFENTHRIN	0.01	ppm	0.1	ND					
CARBARYL	0.01	ppm		ND					
FIPRONIL	0.02	ppm	0.05	ND					
FLONICAMID	0.01	ppm	0.4	ND					
CARBOFURAN	0.01	ppm		ND					
CHLORANTRANILIPROLE	0.01	ppm		ND					
FLUDIOXONIL	0.01	ppm	0.1	ND					
HEXYTHIAZOX	0.01	ppm	0.25	ND					
CHLORFENAPYR	0.01	ppm	0.05	ND					
IMAZALIL	0.01	ppm	0.05	ND					
CHLORPYRIFOS	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.01	ppm	0.1	ND					
CLOFENTEZINE	0.01	ppm	0.2	ND					
KRESOXIM-METHYL	0.01	ppm	0.1	ND					
COUMAPHOS	0.005	ppm	0.05	ND					
MALATHION	0.01	ppm	0.05	ND					
CYPERMETHRIN	0.01	ppm	0.5	ND					
DAMINOZIDE	0.01	ppm	0.5	ND					
METALAXYL	0.01	ppm	0.05	ND					
DICHLORVOS	0.05	ppm	0.1	ND					
METHIOCARB	0.01	ppm	0.05	ND					
METHOMYL	0.01	ppm	0.1	ND					
DIAZANON	0.01	ppm	0.05	ND					
MEVINPHOS	0.01	ppm	0.05	ND					
MYCLOBUTANIL	0.01	ppm	0.1	ND					
NALED	0.01	ppm	0.25	ND					
OXAMYL	0.01	ppm	0.25	ND					

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Jorge Segredo
 Lab Director

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 17025:2017 Accreditation
 PJLA-Testing 97164


 Signature

09/23/19

Signed On



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Sample Method : SOP Client Method

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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
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
1,1-DICHLOROETHENE	0.2	ppm	8	PASS	ND
1,4-DIOXANE	22.8	ppm		PASS	ND
2-BUTANOL	140	ppm		PASS	ND
2-ETHOXYETHANOL	9.6	ppm		PASS	ND
2-PROPANOL	140	ppm	500	PASS	ND
ACETONE	140	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (ISO-BUTANE)	50	ppm	2000	PASS	ND
BUTANES (N-BUTANE)	50	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
ETHANOL	140	ppm	5000	PASS	2815.750
ETHYL ACETATE	140	ppm	400	PASS	ND
CYCLOHEXANE	232.8	ppm		PASS	ND
DICHLOROMETHANE	36	ppm		PASS	ND
ETHYL ETHER	140	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
ETHYLBENZENE	130.2	ppm		PASS	ND
HEPTANE	140	ppm	500	PASS	ND
HEXANES (2,2-DIMETHYLBUTANE)	17.4	ppm	60	PASS	ND
HEXANES (2,3-DIMETHYLBUTANE)	17.4	ppm	60	PASS	ND
HEXANES (2-METHYLPENTANE)	17.4	ppm	60	PASS	ND
HEXANES (3-METHYLPENTANE)	17.4	ppm	60	PASS	ND
ISOPROPYL ACETATE	140	ppm		PASS	ND
METHYLENE CHLORIDE	1	ppm	125	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	17.4	ppm	60	PASS	ND
PENTANES (ISO-PENTANE)	140	ppm		PASS	ND
PENTANES (N-PENTANE)	50	ppm	750	PASS	ND
PENTANES (NEO-PENTANE)	50	ppm		PASS	ND
PROPANE	10	ppm	2100	PASS	ND
TETRAHYDROFURAN	43.2	ppm		PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	15	ppm	150	PASS	ND

Analyzed by 850	Weight 0.0213g	Extraction date 09/18/19 02:09:55	Extracted By 850
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Analysis Method -SOP.T.40.032
Analytical Batch -DA006469
Instrument Used :
Running On :
Batch Date :

Reagent	Dilution	Consums. ID
	1	00276446 160861-1 24152438

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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Sample Method : SOP Client Method

Page 5 of 5

	Microbials	PASSED
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Analyte	LOD	Result	Action Level (cfu/g)
ASPERGILLUS_TERREUS_1J2		not present in 1 gram.	
ASPERGILLUS_NIGER		not present in 1 gram.	
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	
ASPERGILLUS_FLAVUS		not present in 1 gram.	
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041

Analytical Batch -DA006459 Batch Date :


Instrument Used :

Running On :

Analyzed by	Weight	Extraction date	Extracted By
513	1.0755g	09/18/19	513

Reagent	Consums. ID
091719.R01	A01
	2803018
	013
	009A
	019
	009

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	0.001	ppm	ND	0.02
AFLATOXIN_G1	0.001	ppm	ND	0.02
AFLATOXIN_B2	0.001	ppm	ND	0.02
AFLATOXIN_B1	0.001	ppm	ND	0.02
OCHRATOXIN_A	0.001	ppm	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065

Analytical Batch -DA006461

Instrument Used :

Running On :

Batch Date :

Analyzed by	Weight	Extraction date	Extracted By
56	1g	NA	NA

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 <20ug/Kg.

	Heavy Metals	PASSED
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Reagent	Dilution
091619.R05	50
091819.R03	
082719.R04	
052419.01	
090419.01	

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.0008369 ppm		0.043	0.2
CADMIUM	0.0022201 ppm		ND	0.2
LEAD	0.0032903 ppm		ND	0.5
MERCURY	0.0028556 ppm		ND	0.1

Analyzed by	Weight	Extraction date	Extracted By
457	0.5121g	09/18/19 03:09:57	457

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -DA006465

Instrument Used :

Running On :

Batch Date :

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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