



# Certificate of Analysis

Sample: DA20204009-001  
Harvest/Lot ID: TVF0120202202

Batch#: TVF0120202202

Cultivation Facility: Miami Cultivation

Processing Facility : Homestead Processing

Seed to Sale# 9952 8382 4184 1343

Batch Date: 01/20/22

Sample Size Received: 30 gram

Total Weight/Volume: 3490 units

Retail Product Size: 0.5 gram

Ordered : 02/04/22

sampled : 02/04/22

Completed: 02/09/22

Sampling Method: SOP.T.20.010

**PASSED**

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Feb 09, 2022 | CURALEAF FLORIDA LLC

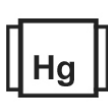
19000 SW 192 STREET  
MIAMI, FL, 33187, US



## PRODUCT IMAGE SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**PASSED**



Moisture  
**NOT TESTED**



Terpenes  
**TESTED**

## CANNABINOID RESULTS



Total THC  
**75.377%**

TOTAL THC/Container :376.885 mg



Total CBD  
**3.878%**

TOTAL CBD/Container :19.39 mg



Total Cannabinoids  
**83.621%**

Total Cannabinoids/Container :418.105 mg

	CBDV	CBDa	CBGa	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	ND	0.757	0.366	1.607	3.215	0.445	0.604	74.657	0.12	1.028	0.822
mg/unit	ND	3.785	1.83	8.035	16.075	2.225	3.02	373.285	0.6	5.14	4.11
LOD	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%

Filtration	PASSED
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Analyzed By	Weight	Extraction date	Extracted By
1879	NA	NA	NA
Analyte	LOD	Pass/Fail	Result
Filtration and Foreign Material	0.1	Pass	ND
Analysis Method -SOP.T.40.013	Batch Date : 02/08/22 07:37:11		
Analytical Batch -DA038149FIL	Reviewed On - 02/08/22 13:04:44		
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.

Water Activity	PASSED
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Analyte	Weight	Ext.	LOD	P/F	Result
Water Activity	1879	NA	0.01 aw	Pass	0.451aw
Analysis Method -Water Activity SOP.T.40.010					
Analytical Batch -DA038148WAT	Reviewed On - 02/08/22				
Instrument Used : DA-028 Rotronic Hygropalm	16:34:00				
	Batch Date : 02/08/22 07:35:05				

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	0.1006g	02/07/22 03:02:49	2076
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 02/08/22 12:46:26	Batch Date : 02/05/22 14:33:55
Analytical Batch -DA038077POT	Instrument Used : DA-LC-003 (Derivatives)	Running On : 02/07/22 19:39:04	

Reagent	Dilution	Consumables ID
020322.R11	400	CE0123
011422.02		239146
020322.R10		293017195
113021.91		61633-125C6-125E
		11945-019CD-019C

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).

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Jorge Segredo  
Lab Director

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

Signature

02/09/22

Signed On





# Certificate of Analysis

**PASSED**
**CURALEAF FLORIDA LLC**

 19000 SW 192 STREET  
 MIAMI, FL, 33187, US  
**Telephone:** (877) 303-0741  
**Email:** Info.FL@Curaleaf.com

**Sample :** DA20204009-001  
**Harvest/Lot ID:** TVF0120202202  
**Batch# :** TVF0120202202  
**Sampled :** 02/04/22  
**Ordered :** 02/04/22

**Sample Size Received :** 30 gram  
**Total Weight/Volume :** 3490 units  
**Completed :** 02/09/22 **Expires:** 02/09/23  
**Sample Method :** SOP.T.20.010

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## Terpenes

**TESTED**

Terpenes	LOD(%)	mg/unit	%	Result (%)	Terpenes	LOD(%)	mg/unit	%	Result (%)
TOTAL TERPINEOL	0.007	0.205	0.041		BORNEOL	0.013	< 0.4	< 0.04	
CAMPENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	1.74	0.348		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	0.175	0.035		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.3	0.06		ALPHA-HUMULENE	0.007	1.01	0.202	
OCIMENE	0.007	3.11	0.622		TRANS-NEROLIDOL	0.007	< 0.2	< 0.02	
EUCALYPTOL	0.007	0.215	0.043		GUAJOL	0.007	< 0.2	< 0.02	
LINALOOL	0.007	1.26	0.252						
FENCHONE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ISOBORNEOL	0.007	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	2.95	0.59						
VALENCENE	0.007	ND	ND						
CEDROL	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
FARNESENE	0.007	0.315	0.063						
CARYOPHYLLENE OXIDE	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	0.375	0.075						
ALPHA-PINENE	0.007	0.62	0.124						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	0.37	0.074						
ALPHA-TERPINENE	0.007	1.095	0.219						
LIMONENE	0.007	4.475	0.895						
GAMMA-TERPINENE	0.007	0.235	0.047						
TERPINOLENE	0.007	6.975	1.395						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	0.25	0.05						
CAMPHOR	0.013	ND	ND						



## Terpenes

**TESTED**

Analyzed by 2651 Weight 0.9232g Extraction date 02/07/22 03:02:40 Extracted By 2651

 Analysis Method - SOP.T.40.090  
 Analytical Batch - DA038105TER  
 Instrument Used : DA-GCMS-005  
 Running On : 02/07/22 16:13:44  
 Batch Date : 02/07/22 08:10:15  
 Reviewed On - 02/08/22 09:57:34

 Reagent 100421.06 Dilution 10 Consums. ID 280678841  
 CE0123 914C4-914AK 929C6-929H

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS/MS.

Total (%) 5.135





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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Pass/Fail	Result	Pesticides	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.1	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.05	ppm	0.5	PASS	ND
ACEQUINOCYL	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.02	ppm	0.2	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	PPM	0.1	PASS	ND	THIAMETHOXAM	0.05	ppm	0.5	PASS	ND
CARBARYL	0.05	ppm	0.5	PASS	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.005	PPM			ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TOTAL DIMETHOMORPH	0.02	PPM	0.2	PASS	ND
CHLORANTRANILIPROLE	0.1	ppm	1	PASS	ND	TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	1	PASS	ND	TOTAL SPINETORAM	0.02	PPM	0.2	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND
CLOFENTEZINE	0.02	ppm	0.2	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND	CAPTAN *	0.025	PPM	0.7	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.01	PPM	0.5	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.01	PPM	0.5	PASS	ND
ETOXAZOLE	0.01	ppm	0.1	PASS	ND						
FENHEXAMID	0.01	ppm	0.1	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	0.1	PASS	ND						
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND						
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.04	ppm	0.4	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND						
MALATHION	0.02	ppm	0.2	PASS	ND						
METALAXYL	0.01	ppm	0.1	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND						
NALED	0.025	ppm	0.25	PASS	ND						
OXAMYL	0.05	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PHOSMET	0.01	ppm	0.1	PASS	ND						
PIPERONYL BUTOXIDE	0.3	ppm	3	PASS	ND						
PRALLETHRIN	0.01	ppm	0.1	PASS	ND						
PROPICONAZOLE	0.01	ppm	0.1	PASS	ND						



## Pesticides

**PASSED**

 Analyzed by 585, 1665 Weight 0.2694g Extraction date 02/07/22 12:02:06 Extracted By 585, 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 - DA038122PES, DA038109VOL Reviewed On - 02/08/22 13:04:44

 Instrument Used : DA-LCMS-003 (PES), DA-GCMS-006  
 Running On : 02/07/22 15:43:06, 02/07/22 15:32:18 Batch Date : 02/07/22 11:25:41

Reagent	Dilution	Consumables ID
020122.R06	250	6524407-03
020222.R26		
011822.R59		
020222.R01		
092820.59		

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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 Sample : DA20204009-001  
 Harvest/Lot ID: TVF0120202202  
 Batch# : TVF0120202202  
 Sampled : 02/04/22  
 Ordered : 02/04/22

 Sample Size Received : 30 gram  
 Total Weight/Volume : 3490 units  
 Completed : 02/09/22 Expires: 02/09/23  
 Sample Method : SOP.T.20.010

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<div>  <b>Residual Solvents</b> <b>PASSED</b> </div>					
Solvent	LOD	Units	Action Level	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

<div>  <b>Residual Solvents</b> <b>PASSED</b> </div>			
Analyzed by 850	Weight 0.0209g	Extraction date 02/08/22 02:02:48	Extracted By 850
Analysis Method -SOP.T.40.032 Analytical Batch -DA038079SOL Instrument Used : DA-GCMS-003 Running On : 02/07/22 18:17:08 Batch Date : 02/05/22 14:58:36		Reviewed On - 02/08/22 16:00:22	
Reagent 030420.09	Dilution 1	Consumables ID 27296 KE136	

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 :** DA20204009-001  
**Harvest/Lot ID:** TVF0120202202  
**Batch# :** TVF0120202202  
**Sampled :** 02/04/22  
**Ordered :** 02/04/22

**Sample Size Received :** 30 gram  
**Total Weight/Volume :** 3490 units  
**Completed :** 02/09/22 **Expires:** 02/09/23  
**Sample Method :** SOP.T.20.010

**Page 5 of 5**

<div> <b>Microbials</b> <b>PASSED</b></div>					<div> <b>Mycotoxins</b> <b>PASSED</b></div>					
Analyte	LOD	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP		not present in 1 gram.	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE		not present in 1 gram.	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS		not present in 1 gram.	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS		not present in 1 gram.	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS		not present in 1 gram.	PASS		OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER		not present in 1 gram.	PASS							
TOTAL YEAST AND MOLD	10	<10	PASS	100000	Analysis Method -SOP.T.30.065, SOP.T.40.065					
Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041					Analytical Batch -DA038123MYC   Reviewed On - 02/08/22 13:32:59					
Analytical Batch -DA038072MIC , DA038090TYM Batch Date : 02/05/22 14:18:43, 02/05/22 21:37:52					Instrument Used : DA-LCMS-003 (MYC)					
Instrument Used : PathogenDx Scanner DA-111,					Running On : 02/07/22 15:43:16   Batch Date : 02/07/22 11:26:52					
Running On :					Analyzed by	Weight	Extraction date	Extracted By		
					585	g	02/07/22 01:02:42	585		
Analyzed by					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					
2682, 513										
Weight										
1.1509g										
Extraction date										
02/05/22 09:02:22										
Extracted By										
1829, 1829										

Reagent	Dilution
101521.R33	1
121421.23	
020122.R69	
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.	

Individuality: <20µg/kg; Sediment: <20µg/kg; Sediment: <20µg/kg.

Hg

Heavy Metals

PASSED

Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC	0.02	PPM	ND	PASS	0.2
CADMIUM	0.02	PPM	ND	PASS	0.2
MERCURY	0.02	PPM	ND	PASS	0.2
LEAD	0.05	PPM	ND	PASS	0.5

Analyzed by

1022

Weight

0.2437g

Extraction date

02/07/22 01:02:23

Extracted By

1022

Analysis Method -SOP.T.40.050, SOP.T.30.052, SOP.T.30.053, SOP.T.40.051

Analytical Batch -DA038113HEA | Reviewed On - 02/08/22 10:30:53

Instrument Used : DA-ICPMS-003

Running On : 02/07/22 18:15:56 | Batch Date : 02/07/22 10:03:24

Reagent	Reagent	Reagent	Dilution	Consums. ID
020122.R42	020222.R49	122821.R12	100	179436
012822.R28	020722.R05			3146-870-008
011822.R62	020122.R02			12265-115CC
020722.R06	111621.31			

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) using Method SOP.T.30.052, SOP.T.30.053 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050, SOP.T.40.051 Heavy Metals Analysis via ICP-MS.