



Certificate of Analysis

Sample:GA20629001-005
Harvest/Lot ID: DPFV101-2206-11051
Batch#: DF-CACI-2206-10823
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Seed to Sale# DPFV101-2206-11051
Batch Date: 06/27/22
Sample Size Received: 16 gram
Total Batch Size: 984 units
Retail Product Size: 1 gram
Ordered : 06/29/22
Sampled : 06/29/22
Completed: 07/01/22
Sampling Method: SOP.T.20.010.FL

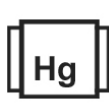
Jul 01, 2022 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US


PASSED

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PRODUCT IMAGE

SAFETY RESULTS

**Pesticides
PASSED**

**Heavy Metals
PASSED**

**Microbials
PASSED**

**Mycotoxins
PASSED**

**Residuals Solvents
PASSED**

**Filth
PASSED**

**Water Activity
PASSED**

**Moisture
NOT TESTED**

**Terpenes
TESTED**
MISC.

Cannabinoid
PASSED

Total THC
84.981%
Total THC/Container : 849.81 mg

Total CBD
0.199%
Total CBD/Container : 1.99 mg

Total Cannabinoids
89.723%
Total Cannabinoids/Container : 897.23 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	84.981	ND	0.199	ND	ND	3.091	ND	0.329	0.477	ND	0.646
mg/unit	849.81	ND	1.99	ND	ND	30.91	ND	3.29	4.77	ND	6.46
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%		%	%	%	%	%	%	%	%	%	%

Analyzed by:
3404, 3600, 2507, 1541

Weight:
0.1042g

Extraction date:
06/29/22 15:51:08

Extracted by:
3600

Analysis Method : SOP.T.40.031, SOP.T.30.031

Analytical Batch : GA046100POT

Instrument Used : GA-HPLC-002 2040C

Running on : 06/29/22 17:58:34

Reviewed On : 07/01/22 16:34:42

Batch Date : 06/28/22 16:37:56

Dilution : 400

Reagent : 020322.R09; 010421.48; 060922.11; 092920.12; 061621.03; 060422.R40; 060822.R51

Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 12455-202CD-202C; RONB32898; 000000146137; 944C4 944; 210268; 206639

Pipette : GA-001; GA-002; GA-004; GA-011; GA-169 (Dispenser); GA-196; GA-209 Dispenser

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.



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18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20629001-005

Harvest/Lot ID: DPFV101-2206-11051

Batch# : DF-CACI-2206-10823

Sampled : 06/29/22

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Sample Size Received : 16 gram

Total Batch Size : 984 units

Completed : 07/01/22 Expires: 07/01/23

Sample Method : SOP.T.20.010

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Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENEOL	0.007	0.68	0.068		BORNEOL	0.013	ND	ND	
CAMPENE	0.007	0.39	0.039		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	0.68	0.068		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLENDRENE	0.007	ND	ND		ALPHA-HUMULENE	0.007	<0.2	<0.02	
OCIMENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	ND	ND	
EUCALYPTOL	0.007	0.27	0.027		GUAJOL	0.007	ND	ND	
LINALOL	0.007	ND	ND						
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	ND	ND						
VALENCENE	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
CEDROL	0.007	ND	ND						
FARNESENE	0	<0.01	ND						
CARYOPHYLLENE OXIDE	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	0.32	0.032						
ALPHA-PINENE	0.007	0.88	0.088						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	1.53	0.153						
ALPHA-TERPINENE	0.007	0.45	0.045						
LIMONENE	0.007	33.94	3.394						
GAMMA-TERPINENE	0.007	3.97	0.397						
TERPINOLENE	0.007	2.88	0.288						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	<0.2	<0.02						
CAMPOR	0.013	ND	ND						
Total (%)			4.599						

Analyzed by: 3404, 3600, 3303, 2155
 Weight: 1.0267g
 Extraction date: 06/30/22 10:54:45
 Extracted by: 3600
 Analysis Method: SOP.T.30.061A.FL, SOP.T.40.061A.FL
 Analytical Batch: GA046163TER
 Instrument Used: GA-GCMS-002 QP2010S
 Running on: 06/30/22 12:12:57
 Reviewed On: 07/01/22 14:47:55
 Batch Date: 06/29/22 14:01:31
 Dilution: 50
 Reagent: 060922.R22; 050322.49; 010421.48
 Consumables: 947.271; H20364; 9291.271; LLS-00-0005; 89012-780; RONB32898; 000000146137; 944C4 944; 210268; 206639
 Pipette: GA-002; GA-004; GA-005; GA-152; GA-211 Dispenser
 Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.



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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	PPM	5	PASS	ND	PROPICONAZOLE	0.01	ppm	0.1	PASS	ND
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	0.01	ppm	0.5	PASS	ND
ACEQUINOXYL	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	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	0.01	ppm	0.5	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CLOFENTHINE	0.01	ppm	0.2	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	3404, 3575, 3303, 1541	1.1447g	06/30/22 14:58:46	3575		
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.101.FL, SOP.T.30.102.FL, SOP.T.30.151.FL, SOP.T.40.101.FL, SOP.T.40.102.FL, SOP.T.40.151.FL					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA046102PES			Reviewed On : 07/01/22 11:43:37		
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES			Batch Date : 06/28/22 16:39:40		
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Running on : 06/30/22 17:06:11					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Dilution : 10					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R36; 061222.R01; 011122.06					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 89012-780; 296055173; 210268					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Pipette : GA-150; GA-210 Dispenser					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
IMAZALIL	0.01	ppm	0.1	PASS	ND	N/A	N/A	N/A	N/A		
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analysis Method : SOP.T.30.060, SOP.T.40.060					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA046225VOL			Reviewed On : 07/01/22 09:55:53		
MALATHION	0.01	ppm	0.2	PASS	ND	Instrument Used : GA-GCMS-006			Batch Date : 06/30/22 15:35:00		
METALAXYL	0.01	ppm	0.1	PASS	ND	Running on : 07/01/22 08:13:31					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Dilution : 100					
METHOMYL	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R36; 061222.R01; 011122.06; 061522.R52					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 89012-780; 296055173; 210268;					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	15144001; 944C4 944J; 206639					
NALED	0.01	ppm	0.25	PASS	ND	Pipette : GA-004; GA-146; GA-150; GA-210 Dispenser					
OXAMYL	0.01	ppm	0.5	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PHOSMET	0.01	ppm	0.1	PASS	ND						
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND						
PRALLETHRIN	0.01	ppm	0.1	PASS	ND						



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Batch# : DF-CACI-2206-10823 Sample Size Received : 16 gram

Sampled : 06/29/22

Ordered : 06/29/22

Total Batch Size : 984 units

Completed : 07/01/22 Expires: 07/01/23

Sample Method : SOP.T.20.010

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Residual Solvents

PASSED

Solvents	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
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

 Analyzed by:
 N/A

 Weight:
 N/A

 Extraction date:
 N/A

 Extracted by:
 N/A

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA046152SOL

Instrument Used : GA-GCMS-004 QP2020NX

Running on : 06/29/22 12:45:24

Reviewed On : 06/30/22 10:49:03

Batch Date : 06/29/22 11:02:49

Dilution : N/A

Reagent : N/A

Consumables : 27296; 854996

Pipette : N/A

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.



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Harvest/Lot ID: DPFV101-2206-11051

Batch# : DF-CACI-2206-10823

Sampled : 06/29/22

Ordered : 06/29/22




Sample Size Received : 16 gram

Total Batch Size : 984 units

Completed : 07/01/22 Expires: 07/01/23

Sample Method : SOP.T.20.010

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<div></div> <div>Microbial</div> <div>PASSED</div>						<div></div> <div>Mycotoxins</div> <div>PASSED</div>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS		AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE			Not Present	PASS		AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS			Not Present	PASS		OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS			Not Present	PASS		AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS			Not Present	PASS		AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER			Not Present	PASS							
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000	Analyzed by: 3404, 3575, 3303, 1541	Weight: 1.1447g	Extraction date: 06/30/22 14:58:46	Extracted by: 3575		
Analyzed by: 3404, 3209, 1790, 1541 Weight: 1.0092g Extraction date: 06/29/22 20:17:02 Extracted by: 3209						Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL Analytical Batch : GA046224MYC Instrument Used : GA-LCMS-001 MYC Running on : 06/30/22 17:06:01 Reviewed On : 07/01/22 11:44:14 Batch Date : 06/30/22 15:34:52					
Analysis Method : SOP.T.40.041, SOP.T.40.043, SOP.T.40.045, SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208 Analytical Batch : GA046180MIC Instrument Used : GA-TYM-001 Tempo Filler and Reader Running on : 06/30/22 16:27:15 Reviewed On : 07/01/22 19:24:23 Batch Date : 06/29/22 17:37:40						Dilution : N/A Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2 Consumables : 0.02; 0.02; 0.02; 0.02 Pipette : N/A					
Dilution : 90 Reagent : 052622.09 Consumables : 2303260; 2303190; 2306070; 2304090; GA-185; GA-213; 61630-123C6-123E Pipette : GA-154						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39..						<div></div> <div>Heavy Metals</div> <div>PASSED</div>					
Analyzed by:	Weight:	Extraction date:	Extracted by:			Metal	LOD	Units	Result	Pass / Fail	Action Level
N/A	N/A	N/A	N/A			ARSENIC	0.02	PPM	ND	PASS	0.2
Analysis Method : SOP.T.40.041						CADMIUM	0.02	PPM	ND	PASS	0.2
Analytical Batch : GA046181TYM						MERCURY	0.02	PPM	ND	PASS	0.2
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader						LEAD	0.05	PPM	ND	PASS	0.5
Running on : 06/30/22 16:24:45						Analyzed by: 3404, 3571, 3317, 1541	Weight: 0.4366g	Extraction date: 06/30/22 11:04:24	Extracted by: 3571		
Dilution : 90						Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL					
Reagent : 052622.09						Analytical Batch : GA046164HEA					
Consumables : 2306070; 2304090; GA-185; GA-213; 61630-123C6-123E						Instrument Used : GA-ICPMS-002					
Pipette : GA-154						Running on : N/A					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						Dilution : 100 Reagent : 041622.R02; 051622.R03; 041722.R01; 042022.R45; 061621.03; 052422.R35; 062222.R63; 010421.48 Consumables : L2019501; GA-194; GA-195; CGR0114; 12455-202CD-202C Pipette : GA-012; GA-183; GA-193					
						Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					



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Sample Method : SOP.T.20.010

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**Filth/Foreign
Material**
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5

Analyzed by: 3404, 3599, 1541	Weight: 11.7g	Extraction date: 06/29/22 12:28:40	Extracted by: 3599
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Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : GA046155FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on : N/A

Reviewed On : 06/30/22 08:18:30

Batch Date : 06/29/22 12:27:38

Dilution : N/A

Reagent : N/A

Consumables : N/A

Pipette : N/A

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.


Water Activity
PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Water Activity	0.1	aw	0.612	PASS	0.85

Analyzed by: 3404, 3599, 1541	Weight: 0.622g	Extraction date: 06/29/22 15:43:47	Extracted by: 3599
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Analysis Method : SOP.T.40.019

Analytical Batch : GA046163WAT

Instrument Used : N/A

Running on : N/A

Reviewed On : 06/30/22 15:52:42

Batch Date : 06/29/22 14:00:33

Dilution : N/A

Reagent : N/A

Consumables : 107264

Pipette : N/A

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.