



Certificate of Analysis

Sample:GA20623002-006
Harvest/Lot ID: ENFV102-2206-10339
Batch#: DF-TOG-2206-9650
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Seed to Sale# ENFV102-2206-10339
Batch Date: 06/20/22
Sample Size Received: 16 gram
Total Batch Size: 2479 units
Retail Product Size: 1 gram
Ordered : 06/23/22
Sampled : 06/23/22
Completed: 06/25/22
Sampling Method: SOP.T.20.010.FL
PASSED




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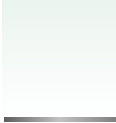
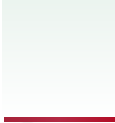



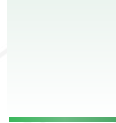
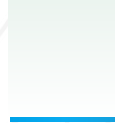
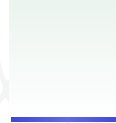
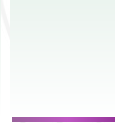

Jun 25, 2022 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US



PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration PASSED	 Water Activity PASSED	 Moisture NOT TESTED	 Terpenes TESTED

	Cannabinoid	PASSED
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	Total THC 80.314% Total THC/Container : 803.14 mg		Total CBD 0% Total CBD/Container : 0 mg		Total Cannabinoids 84.119% Total Cannabinoids/Container : 841.19 mg
--	---	---	---	---	---

										
D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
% 80.314	ND	ND	ND	ND	1.949	ND	0.964	0.429	ND	0.463
mg/unit 803.14	ND	ND	ND	ND	19.49	ND	9.64	4.29	ND	4.63
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, 3134, 3192, 2507, 3303	Weight: 0.1017g	Extraction date: 06/23/22 19:59:25	Extracted by: 3134
Analysis Method : SOP.T.40.031, SOP.T.30.031		Reviewed On : 06/24/22 15:03:17	
Analytical Batch : GA045824POT		Batch Date : 06/23/22 10:16:13	
Instrument Used : GA-HPLC-002 2040C			
Running on : 06/24/22 14:30:59			
Dilution : 400			
Reagent : 060422.R39; 061122.R29; 020322.R09; 010421.48; 060922.15			
Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 12400-133CD-133C; R0NB32898; 000000146137; 944C4 944J; 210268; 212516			
Pipette : GA-005; GA-152; GA-153; GA-169 (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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Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20623002-006

Harvest/Lot ID: ENFV102-2206-10339

Batch# : DF-TOG-2206-9650

Sampled : 06/23/22

Ordered : 06/23/22

Sample Size Received : 16 gram

Total Batch Size : 2479 units

Completed : 06/25/22 Expires: 06/25/23

Sample Method : SOP.T.20.010

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Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPHENE	0.007	0.45	0.045		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	5.21	0.521		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	<0.2	<0.02		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.28	0.028		ALPHA-HUMULENE	0.007	2.3	0.23	
OCIMENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	0.23	0.023	
EUCALYPTOL	0.007	0.73	0.073		GUAIOL	0.007	ND	ND	
LINALOOL	0.007	2.86	0.286						
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	10.24	1.024						
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	0.36	0.036						
ALPHA-PINENE	0.007	1.78	0.178						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	2.7	0.27						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	14.84	1.484						
GAMMA-TERPINENE	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	1.61	0.161						
CAMPHOR	0.013	ND	ND						
BORNEOL	0.013	ND	ND						
Total (%)			4.38						

Analyzed by:

3404, 3209, 2155, 3303

Weight:

1.1022g

Extraction date:

06/23/22 20:32:29

Extracted by:

3209

Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL

Analytical Batch : GA045789TER

Instrument Used : GA-GCMS-002 QP2010S

Running on : 06/24/22 12:40:47

Reviewed On : 06/25/22 11:54:45

Batch Date : 06/22/22 20:05:20

Dilution : 50

Reagent : 060922.R22, 050322.49, 010421.51

Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 210916634-C; RONB32898; 000000146137; 944C4 944J; 210268; 206639

Pipette : GA-011; GA-146; GA-182; GA-211 Dispenser

Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.



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Sample Method : SOP.T.20.010

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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
CLOFENTHEZINE	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	1.1118g	06/23/22 12:25:30	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 : GA045772PES		Reviewed On : 06/24/22 16:03:07			
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES		Batch Date : 06/23/22 12:34:45			
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Running on : 06/23/22 15:19:52					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Dilution : 10					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R35; 061222.R01; 011122.06					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 210268					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Pipette : GA-151; 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	NA	NA	NA	NA		
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 : GA045845VOL		Reviewed On : 06/24/22 14:38:25			
MALATHION	0.01	ppm	0.2	PASS	ND	Instrument Used : GA-GCMS-003		Batch Date : 06/23/22 12:56:52			
METALAXYL	0.01	ppm	0.1	PASS	ND	Running on : 06/23/22 15:47:21					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Dilution : 100					
METHOMYL	0.01	ppm	0.1	PASS	ND	Reagent : 061222.R01; 011122.06; 061522.R52					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 944C4 944J; 210268; 206639; 55447-U.14725401					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Pipette : GA-005; GA-151; GA-153; GA-210 Dispenser					
NALED	0.01	ppm	0.25	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.					
OXAMYL	0.01	ppm	0.5	PASS	ND						
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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Sample Size Received : 16 gram

Total Batch Size : 2479 units

Completed : 06/25/22 Expires: 06/25/23

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:
 NA

Weight:

 Extraction date:
 NA

 Extracted by:
 NA

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA045841SOL

Instrument Used : GA-GCMS-004 QP2020NX

Running on : 06/23/22 14:03:14

Reviewed On : 06/24/22 12:32:16

Batch Date : 06/23/22 12:15:10

Dilution : 1

Reagent :

Consumables : 27296; 854996

Pipette :

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



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
PASSED

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 Ordered : 06/23/22
 Sample Method : SOP.T.20.010

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<div> Microbial</div> <div>PASSED</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		Analyzed by: 3404, 3575, 3303, 1541Weight: 1.1118gExtraction date: 06/23/22 13:03:54Extracted by: 3575					
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000	Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL Analytical Batch : GA045846MYCReviewed On : 06/24/22 16:06:23 Instrument Used : GA-LCMS-001 MYCBatch Date : 06/23/22 12:58:39 Running on : 06/23/22 15:19:56					
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 : GA045852MICReviewed On : 06/25/22 16:58:45 Instrument Used : GA-TYM-001 Tempo Filler and ReaderBatch Date : 06/23/22 14:23:11 Running on : 06/23/22 17:02:41						Dilution : Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2 Consumables : 0.02; 0.02; 0.02; 0.02 Pipette :					
Dilution : 90 Reagent : 052622.09 Consumables : 2303260; 2303190; 2304090; 2304090; 61630-123C6-123E; GA-185; GA-213 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> Heavy Metals</div> <div>PASSED</div>					
Analyzed by: NA	Weight: NA	Extraction date: NA	Extracted by: NA			Metal	LOD	Units	Result	Pass / Fail	Action Level
Analysis Method : SOP.T.40.041			Reviewed On : 06/25/22 16:59:01 Batch Date : 06/23/22 14:23:38			ARSENIC	0.02	PPM	ND	PASS	0.2
Analytical Batch : GA045853TYM						CADMIUM	0.02	PPM	ND	PASS	0.2
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader						MERCURY	0.02	PPM	ND	PASS	0.2
Running on : 06/23/22 17:05:22						LEAD	0.05	PPM	ND	PASS	0.5
Dilution : 90 Reagent : 052622.09 Consumables : 2304090; 2304090; 61630-123C6-123E; GA-185; GA-213 Pipette : GA-154						Analyzed by: 3404, 3571, 3317, 3303Weight: 0.4541gExtraction date: 06/23/22 12:37:19Extracted by: 3571					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL Analytical Batch : GA045790HEAReviewed On : 06/24/22 15:32:28 Instrument Used : GA-ICPMS-002Batch Date : 06/22/22 20:06:29 Running on : 06/24/22 12:57:34					
						Dilution : 100 Reagent : 052422.R35; 062222.R63; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45 Consumables : GA-194; GA-195; CGR0114; 12400-133CD-133C; 210268; L2019501 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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**Filth/Foreign
Material**
PASSED

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

Analyzed by: 3404, 3134, 3303	Weight: 11.1g	Extraction date: 06/23/22 12:07:16	Extracted by: 3134
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Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : GA045840FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on :
Reviewed On : 06/23/22 13:23:25

Batch Date : 06/23/22 12:06:06

Dilution : 1

Reagent :
Consumables :
Pipette :

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	0.693	PASS	0.85

Analyzed by: 3404, 3600, 3192	Weight: 0.5366g	Extraction date: 06/23/22 13:09:04	Extracted by: 3600
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Analysis Method : SOP.T.40.019

Analytical Batch : GA045842WAT

Instrument Used : GA-203 Rotronic HygroPalm

Running on :
Reviewed On : 06/24/22 10:37:09

Batch Date : 06/23/22 12:38:41

Dilution : 1

Reagent :
Consumables : 107264

Pipette :

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