



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

Page 1 of 6

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



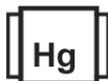
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
PASSED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.



Cannabinoid

PASSED



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
Analytical Batch : GA045824POT
Instrument Used : GA-HPLC-002 2040C
Running on : 06/24/22 14:30:59

Reviewed On : 06/24/22 15:03:17
Batch Date : 06/23/22 10:16:13

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 944; 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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18770 N CR 225
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
Sample Size Received : 16 gram
Total Batch Size : 2479 units
Sampled : 06/23/22
Completed : 06/25/22 Expires: 06/25/23
Ordered : 06/23/22
Sample Method : SOP.T.20.010

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Terpenes				TESTED					
Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPENE	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		GUAJOL	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 Reviewed On: 06/25/22 11:54:45
 Instrument Used: GA-GCMS-002 QP20105 Batch Date: 06/22/22 20:05:20
 Running on: 06/24/22 12:40:47
 Dilution: 50
 Reagent: 060922.R22; 050322.49; 010421.51
 Consumables: 947.271; H20364; 9291.271; 115-00-0005; 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 : GA20623002-006
 Harvest/Lot ID: ENFV102-2206-10339
 Batch# : DF-TOG-2206-9650 Sample Size Received : 16 gram
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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)											
ABAMECTIN B1A	0.01	ppm	5	PASS	ND	PROPICONAZOLE	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEQUINOXYL	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	0.5	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	ppm	0.2	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	PPM	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CLOFENTEZINE	0.01	ppm	0.2	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	3404, 3575, 3303, 1541	1.1118g	06/23/22 12:25:30	3575		
ETOFENPROX	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					
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA045772PES Reviewed On : 06/24/22 16:03:07					
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES Batch Date : 06/23/22 12:34:45					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Running on : 06/23/22 15:19:52					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Dilution : 10					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R35; 061222.R01; 011122.06					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 210268					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Pipette : GA-151; GA-210 Dispenser					
HEXYTHIAZOX	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.					
IMAZALIL	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	NA	NA	NA	NA		
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.060, SOP.T.40.060					
MALATHION	0.01	ppm	0.2	PASS	ND	Analytical Batch : GA045845VOL Reviewed On : 06/24/22 14:38:25					
METALAXYL	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-GCMS-003 Batch Date : 06/23/22 12:56:52					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Running on : 06/23/22 15:47:21					
METHOMYL	0.01	ppm	0.1	PASS	ND	Dilution : 100					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Reagent : 061222.R01; 011122.06; 061522.R52					
MYCLOBUTANIL	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					
NALED	0.01	ppm	0.25	PASS	ND	Pipette : GA-005; GA-151; GA-153; 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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Harvest/Lot ID: ENFV102-2206-10339
Batch# : DF-TOG-2206-9650 **Sample Size Received : 16 gram**
Sampled : 06/23/22 **Total Batch Size : 2479 units**
Ordered : 06/23/22 **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
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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
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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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 Sample : GA20623002-006
 Harvest/Lot ID: ENFV102-2206-10339
 Batch# : DF-TOG-2206-9650
 Sampled : 06/23/22
 Ordered : 06/23/22
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 Total Batch Size : 2479 units
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 Sample Method : SOP.T.20.010

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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS TERREUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

 Analyzed by: 3404, 1790, 1541
 Weight: 1.03g
 Extraction date: 06/23/22 17:01:16
 Extracted by: 1790

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 : GA045852MIC
 Instrument Used : GA-TYM-001 Tempo Filler and Reader
 Reviewed On : 06/25/22 16:58:45
 Batch Date : 06/23/22 14:23:11

Running on : 06/23/22 17:02:41

 Dilution : 90
 Reagent : 052622.09
 Consumables : 2303260; 2303190; 2304090; 2304090; 61630-123C6-123E; GA-185; GA-213
 Pipette : GA-154

Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

 Analyzed by: NA
 Weight: NA
 Extraction date: NA
 Extracted by: NA

 Analysis Method : SOP.T.40.041
 Analytical Batch : GA045853TYM
 Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader
 Reviewed On : 06/25/22 16:59:01
 Batch Date : 06/23/22 14:23:38

Running on : 06/23/22 17:05:22

 Dilution : 90
 Reagent : 052622.09
 Consumables : 2304090; 2304090; 61630-123C6-123E; GA-185; GA-213
 Pipette : GA-154

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02

 Analyzed by: 3404, 3575, 3303, 1541
 Weight: 1.1118g
 Extraction date: 06/23/22 13:03:54
 Extracted by: 3575

Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL

 Analytical Batch : GA045846MYC
 Instrument Used : GA-LCMS-001 MYC
 Reviewed On : 06/24/22 16:06:23
 Batch Date : 06/23/22 12:58:39

Running on : 06/23/22 15:19:56

 Dilution :
 Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2
 Consumables : 0.02; 0.02; 0.02; 0.02
 Pipette :

Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



Heavy Metals

PASSED

Metal	LOD	Units	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: 3404, 3571, 3317, 3303
 Weight: 0.4541g
 Extraction date: 06/23/22 12:37:19
 Extracted by: 3571

Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL

 Analytical Batch : GA045790HEA
 Instrument Used : GA-ICPMS-002
 Reviewed On : 06/24/22 15:32:28
 Batch Date : 06/22/22 20:06:29

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.