



Certificate of Analysis

Sample:GA20618001-020
Harvest/Lot ID: ENFV100-2206-9872

Batch#: DF-9LBH-2206-9469

Cultivation Facility: Gainesville Cultivation

Processing Facility : Gainesville Processing

Seed to Sale# ENFV100-2206-9872

Batch Date: 06/15/22

Sample Size Received: 16 gram

Total Batch Size: 744 gram

Retail Product Size: 1 gram

Ordered : 06/18/22

Sampled : 06/18/22

Completed: 06/21/22

Sampling Method: SOP.T.20.010.FL

PASSED

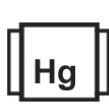
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Jun 21, 2022 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US

PRODUCT IMAGE


Plastic Box

SAFETY RESULTS

Pesticides
PASSED

Heavy Metals
PASSED

Microbials
PASSED

Mycotoxins
PASSED

Residuals Solvents
PASSED

Filtr
PASSED

Water Activity
PASSED

Moisture
NOT TESTED

Terpenes
TESTED
MISC.

Cannabinoid
PASSED

Total THC
84.342%

Total THC/Container : 843.42 mg


Total CBD
0%

Total CBD/Container : 0 mg


Total Cannabinoids
87.064%

Total Cannabinoids/Container : 870.64 mg

60

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	84.342	ND	ND	ND	ND	1.755	ND	0.25	0.497	ND	0.22
mg/g	843.42	ND	ND	ND	ND	17.55	ND	2.5	4.97	ND	2.2
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
%		%	%	%	%	%	%	%	%	%	%

Analyzed by:
3571, 3134, 3205, 2338

Weight:
0.0928g

Extraction date:
06/19/22 15:49:32

Extracted by:
3134

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

Analytical Batch : GA045603POT

Instrument Used : GA-HPLC-001 2030C Plus

Running on : 06/19/22 18:57:57

Reviewed On : 06/20/22 15:35:04

Batch Date : 06/18/22 17:31:10

Dilution : 400

Reagent : 061122.R34; 061122.R30; 020322.R09; 060922.12

Consumables : 7711028; 947.217; 470228-424; 9291.197; 110921; R0NB32898; 00321396; GA-169; 12035-035CD-035C; 944C4 944J; 210268; 206639

Pipette : GA-005; GA-151; GA-153

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

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Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPENEOL	0.007	0.48	0.048		BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	0.25	0.025		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	10.61	1.061		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	<0.2	<0.02		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.69	0.069		ALPHA-HUMULENE	0.007	2.33	0.233	
OCIMENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	0.63	0.063	
EUCALYPTOL	0.007	ND	ND		GUAIOL	0.007	ND	ND	
LINALOOL	0.007	1.28	0.128		Analyzed by: 3571, 2507, 3205, 2338 Weight: 1.0122g Extraction date: 06/18/22 17:38:40 Extracted by: 2507 Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL Analytical Batch : GA045571TER Instrument Used : GA-GCMS-002 QP2010S Running on : 06/18/22 19:24:36 Dilution : 50 Reagent : 050322.49; 010421.48 Consumables : GA-211; 947.109; H20364; 9291.197; 110921; 210419634; R0NB32898; 00321396; 944C4 944j; 210268; 206639 Pipette : GA-005; GA-011; GA-146 Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.				
FENCHONE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ISOBORNEOL	0.007	<0.2	<0.02						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	7.96	0.796						
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	0.6	0.06						
ALPHA-BISABOLOL	0.007	2.48	0.248						
ALPHA-PINENE	0.007	13.99	1.399						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	5.32	0.532						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	3.29	0.329						
GAMMA-TERPINENE	0.007	ND	ND						
TERPINOLENE	0.007	0.42	0.042						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	0.47	0.047						
CAMPOR	0.013	ND	ND						
Total (%)			5.08						



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<div>  Pesticides </div>						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	TOTAL DIMETHOMORPH	0.01	PPM	0.2	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	TOTAL SPINETORAM	0.01	PPM	0.2	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CLOFENTZINE	0.01	ppm	0.2	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
FENHEXAMID	0.01	ppm	0.1	PASS	ND	3571, 3134, 2338, 3298	0.9755g	06/19/22 11:25:04	3134		
FENOXYCARB	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					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA045608PES		Reviewed On : 06/20/22 13:11:40			
FIPRONIL	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-LCMS-001 PES		Batch Date : 06/18/22 19:27:09			
FLONICAMID	0.01	ppm	0.1	PASS	ND	Running on : 06/19/22 14:50:45					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Dilution : 10					
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	Reagent : 060222.R23; 011122.06; 052322.R01; 060422.R35					
IMAZALIL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; 110921; 210419634; 296055173; 41064115C4115B; 209598; 206639					
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Pipette : GA-002; GA-006; GA-013; GA-210 Dispenser					
KRESOXIM-METHYL	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.					
MALATHION	0.01	ppm	0.2	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
METALAXYL	0.01	ppm	0.1	PASS	ND	NA	NA	NA	NA		
METHIOCARB	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.060, SOP.T.40.060					
METHOMYL	0.01	ppm	0.1	PASS	ND	Analytical Batch : GA045615VOL		Reviewed On : 06/20/22 13:15:30			
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-GCMS-006		Batch Date : 06/19/22 12:45:54			
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Running on : 06/20/22 09:56:19					
NALED	0.01	ppm	0.25	PASS	ND	Dilution : 100					
OXAMYL	0.01	ppm	0.5	PASS	ND	Reagent : 060222.R23; 011122.06; 061522.R52					
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; 110921; 210419634; 296055173; 41064115C4115B; 209598; 206639; 15024701					
PHOSMET	0.01	ppm	0.1	PASS	ND	Pipette : GA-002; GA-005; GA-013					
PIPERONYL BUTOXIDE	0.01	ppm	3	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.					
PRALLETHRIN	0.01	ppm	0.1	PASS	ND						



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Sample Size Received : 16 gram

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Completed : 06/21/22 Expires: 06/21/23

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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
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

 Analyzed by:
 NA

Weight:

 Extraction date:
 NA

 Extracted by:
 NA

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA045586SOL

Instrument Used : GA-GCMS-001 Headspace Solvent

Running on : 06/18/22 17:39:55

Reviewed On : 06/19/22 15:13:58

Batch Date : 06/18/22 12:21:26

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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<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: 3571, 3134, 2338, 3298	Weight: 0.9755g	Extraction date: 06/19/22 11:25:04	Extracted by: 3134								
Analyzed by: 3571, 2821, 1541	Weight: 0.93g	Extraction date: 06/19/22 10:57:26	Extracted by: 2821			Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL											
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 : GA045618MYC		Reviewed On : 06/20/22 13:31:51	Batch Date : 06/19/22 12:52:25								
Analytical Batch : GA045590MIC			Reviewed On : 06/21/22 14:06:28			Instrument Used : GA-LCMS-001 MYC											
Instrument Used : GA-TYM-001 Tempo Filler and Reader			Batch Date : 06/18/22 13:29:53			Running on : 06/19/22 14:51:57											
Running on : 06/19/22 10:58:55						Dilution : Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2											
Dilution : 90						Consumables : 0.02; 0.02; 0.02; 0.02											
Reagent : 060122.12						Pipette :											
Consumables : 2304090; 2304090; 61630-123C6-123E; 2303260; 2303190						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.											
Pipette : GA-154; GA-213																	
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			Metal	LOD	Units	Result	Pass / Fail	Action Level						
Analysis Method : SOP.T.40.041						ARSENIC	0.02	PPM	ND	PASS	0.2						
Analytical Batch : GA045591TYM			Reviewed On : 06/21/22 13:14:53			CADMIUM	0.02	PPM	ND	PASS	0.2						
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader			Batch Date : 06/18/22 13:30:13			MERCURY	0.02	PPM	ND	PASS	0.2						
Running on : 06/19/22 10:58:59						LEAD	0.05	PPM	ND	PASS	0.5						
Dilution : 90						Analyzed by: 3571, 3134, 2338, 3298	Weight: 0.4664g	Extraction date: 06/19/22 17:14:26	Extracted by: 3134								
Reagent : 060122.12						Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL											
Consumables : 2304090; 2304090; 61630-123C6-123E						Analytical Batch : GA045609HEA		Reviewed On : 06/20/22 13:33:28	Batch Date : 06/18/22 19:30:57								
Pipette : GA-154						Instrument Used : GA-ICPMS-002											
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						Running on : 06/20/22 09:41:21											
						Dilution : 100											
						Reagent : 052422.R35; 061422.R22; 010421.51; 041622.R02; 051622.R03; 041722.R01; 042022.R45; 061621.03											
						Consumables : CGR0114; 12035-035CD-035C; L2019501											
						Pipette : GA-012; GA-183; GA - 194; GA-195; 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:	Weight:	Extraction date:	Extracted by:
3571, 1541	9.9394g	06/18/22 15:47:24	3571

Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : GA045599FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on :

Reviewed On : 06/18/22 18:02:18

Batch Date : 06/18/22 15:46:40

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	0.514	PASS	0.85

Analyzed by:	Weight:	Extraction date:	Extracted by:
3571, 3134	1.164g	06/18/22 20:12:49	3571

Analysis Method : SOP.T.40.019

Analytical Batch : GA045606WAT

Instrument Used : GA-085 Rotronic HygroPalm

Running on :

Reviewed On : 06/20/22 15:29:39

Batch Date : 06/18/22 18:25:56

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.