



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample:GA21012001-001
Harvest/Lot ID: BP100P-2210-15900

Batch#: RME100T-2209-15506

Cultivation Facility: Gainesville Cultivation

Processing Facility : Gainesville Processing

Seed to Sale# BP100P-2210-15900

Batch Date: 10/07/22

Sample Size Received: 1305 gram

Total Batch Size: 1536 units

Retail Product Size: 139.4 gram

Ordered : 10/12/22

Sampled : 10/12/22

Completed: 10/16/22

Sampling Method: SOP.T.20.010

PASSED

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Oct 16, 2022 | Liberty Health Sciences, FL

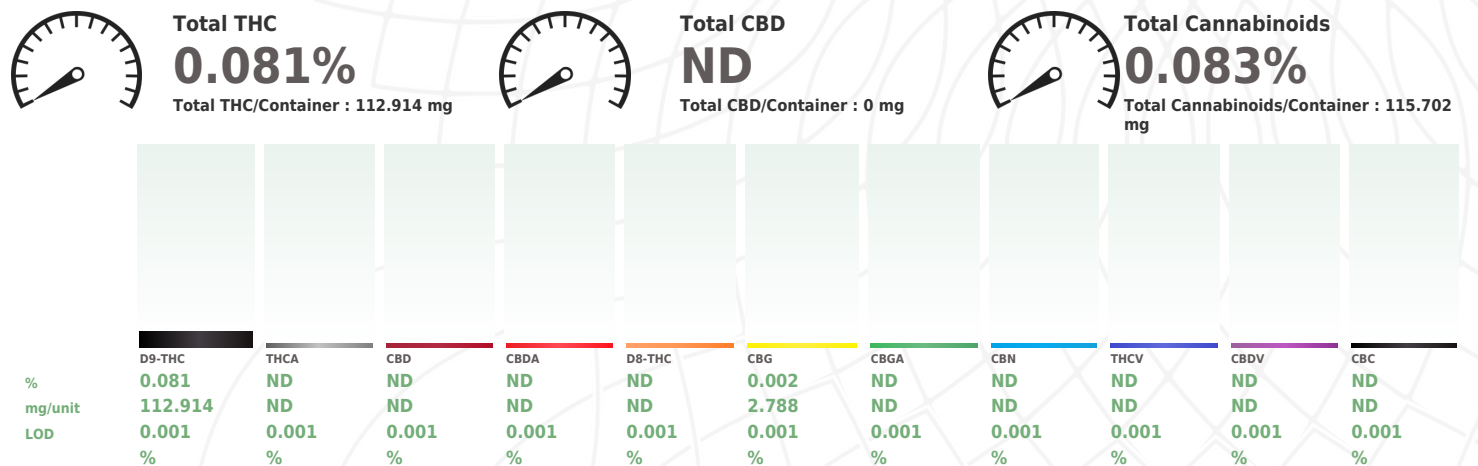
18770 N CR 225

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 NOT TESTED

	Cannabinoid	PASSED
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Analyzed by:
3404, 3655, 3600, 2507, 2155

Weight:
2.9971g

Extraction date:
10/12/22 18:19:25

Extracted by:
3600

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : GA050952POT
Instrument Used : GA-HPLC-001 2030C Plus (Infused)
Running on : 10/12/22 20:22:12

Reviewed On : 10/13/22 11:21:46
Batch Date : 10/12/22 12:23:14

Dilution : 40
Reagent : 081822.R45; 010421.44; 090222.14; 091322.02
Consumables : 947.109; 21/05/14; 9291.271; LLS-00-0005; 12455-202CD-202C; R0NB32898; 000000146137; 944C4 944J; 210268; 206639
Pipette : GA-010; GA-146; GA-182; GA-169 (Dispenser); 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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Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

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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	30	PASS	ND	OXAMYL	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	PPM	3	PASS	ND	PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	1	PASS	ND	PHOSMET	0.01	ppm	0.2	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	1	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	PPM	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
BOSCALID	0.01	PPM	3	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	CAPTAN *	0.07	PPM	3	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
CLOFENTZINE	0.01	ppm	0.5	PASS	ND	CYFLUTHRIN *	0.05	PPM	1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZINON	0.01	ppm	3	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DICHLORVOS	0.01	ppm	0.1	PASS	ND	3404, 3571, 3303, 2507	1.003g	10/12/22 18:54:09	3571		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analysis Method :					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	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,					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	SOP.T.40.151.FL					
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	Analytical Batch :					
FENHEXAMID	0.01	ppm	3	PASS	ND	GA050955PES					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Instrument Used :					
FENPYROXIMATE	0.01	ppm	2	PASS	ND	GA-LCMS-001 PES					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Running on :					
FLONICAMID	0.01	ppm	2	PASS	ND	10/13/22 12:30:23					
FLUDIOXONIL	0.01	ppm	3	PASS	ND	Dilution :					
HEXYTHIAZOX	0.01	ppm	2	PASS	ND	10					
IMAZALIL	0.01	ppm	0.1	PASS	ND	Reagent :					
IMIDACLOPRID	0.01	ppm	1	PASS	ND	100222.R01; 011122.06; 092022.R18; 092022.R20					
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND	Consumables :					
MALATHION	0.01	ppm	2	PASS	ND	GA-210; 947.109; 21/05/14; 9291.271; LLS-00-0005; 89012-780; 296055173; 210268					
METALAXYL	0.01	ppm	3	PASS	ND	Pipette :					
METHIOCARB	0.01	ppm	0.1	PASS	ND	GA-003					
METHOMYL	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.					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
MYCLOBUTANIL	0.01	ppm	3	PASS	ND	3404, 3575, 3298, 3317, 3303	1.003g	10/12/22 18:54:09	3571		
NALED	0.01	ppm	0.5	PASS	ND	Analysis Method :					
						SOP.T.30.060, SOP.T.40.060					
						Analytical Batch :					
						GA051008VOL					
						Instrument Used :					
						GA-GCMS-006					
						Running on :					
						10/13/22 12:47:23					
						Dilution :					
						100					
						Reagent :					
						100222.R01; 011122.06; 093022.R19					
						Consumables :					
						GA-210; 947.109; 21/05/14; 9291.271; LLS-00-0005; 89012-780; 296055173; 210268;					
						55447-U.11925903; 944C4 944J; 206639					
						Pipette :					
						GA-001; GA-003; GA-182					
						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.					



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Batch# :

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Sample Size Received : 1305 gram

Total Batch Size : 1536 units

Completed : 10/16/22 Expires: 10/16/23

Sample Method : SOP.T.20.010

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	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 : GA050931SOL

Instrument Used : GA-GCMS-001 Headspace Solvent

Running on : 10/12/22 12:30:54

Reviewed On : 10/13/22 10:04:28

Batch Date : 10/12/22 10:12:35

Dilution : N/A

Reagent : N/A

Consumables : 27296; 854996

Pipette : GA-247

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



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Sample : GA21012001-001

Harvest/Lot ID: BP100P-2210-15900

Batch# :

RME100T-2209-15506

Sampled : 10/12/22

Ordered : 10/12/22




Sample Size Received : 1305 gram

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Sample Method : SOP.T.20.010

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 Microbial PASSED						 Mycotoxins PASSED					
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, 2507 Weight: 1.003g Extraction date: 10/12/22 18:54:09 Extracted by: 3571					
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 : GA051006MYC Reviewed On : 10/14/22 11:50:06 Instrument Used : GA-LCMS-001 MYC Batch Date : 10/13/22 10:22:54 Running on : 10/13/22 12:30:28					
Analyzed by: 3404, 3721, 3209, 1541 Weight: 0.92g Extraction date: 10/13/22 17:51:24 Extracted by: 3721 Analysis Method : SOP.T.40.043 Analytical Batch : GA050965MIC Instrument Used : GA-MIC-001 bioMérieux Gene Up RTPCR Running on : 10/13/22 19:55:40 Dilution : 90 Reagent : 100222.R13 Consumables : 30521042; 1009155110; 2050010; BDG200113; 41064115C4115B; 61630-123C6-123E; 8LCJ0511R; SSC008; ASP132; 41064-115C4-115 B Pipette : GA-021; GA-154; GA-140						Dilution : 10 Reagent : 100222.R01; 011122.06; 092022.R18; 092022.R20 Consumables : GA-210; 947.109; 21/05/14; 9291.271; LLS-00-0005; 89012-780; 296055173; 210268 Pipette : GA-003 Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
Analyzed by: 3404, 3209, 1541 Weight: 0.92g Extraction date: N/A Extracted by: N/A Analysis Method : SOP.T.40.208, SOP.T.40.209.FL Analytical Batch : GA050966TYM Reviewed On : 10/14/22 15:27:30 Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader Batch Date : 10/12/22 13:48:28 Running on : 10/12/22 14:19:23 Dilution : 90 Reagent : 092022.44 Consumables : 2050010; 2306070; 1009201860; GA-187; 61630-123C6-123E Pipette : GA-021 Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						 Heavy Metals PASSED					
Metal						LOD	Units	Result	Pass / Fail	Action Level	
TOTAL CONTAMINANT LOAD METALS						0.11	PPM	<0.55	PASS	5	
ARSENIC						0.02	PPM	ND	PASS	1.5	
CADMIUM						0.02	PPM	<0.1	PASS	0.5	
LEAD						0.05	PPM	ND	PASS	0.5	
MERCURY						0.02	PPM	ND	PASS	3	
Analyzed by: 3404, 3655, 3303, 2507 Weight: 0.5034g Extraction date: 10/13/22 10:28:19 Extracted by: 3655 Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL Analytical Batch : GA050954HEA Reviewed On : 10/13/22 17:08:20 Instrument Used : GA-ICPMS-002 Batch Date : 10/12/22 12:24:07 Running on : 10/13/22 13:35:18 Dilution : 100 Reagent : 100322.R20; 100222.R12; 071522.04; 100822.R01; 091922.R56; 071922.R24; 091922.R55 Consumables : CGR0114; 12455-202CD-202C; 210268 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

Homogeneity

PASSED

Amount of tests conducted : 16

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.5	%	ND	PASS	1

Analyzed by:	Weight:	Extraction date:	Extracted by:
3404, 3655, 3192	625g	10/12/22 12:13:34	3655

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

Analytical Batch : GA050949FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on : N/A

Reviewed On : 10/12/22 13:48:03

Batch Date : 10/12/22 11:52:35

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	0.637	PASS	0.85

Analyzed by:	Weight:	Extraction date:	Extracted by:
3404, 3192, 3571	8.0132g	10/12/22 13:55:14	3192

Analysis Method : SOP.T.40.019

Analytical Batch : GA050956WAT

Instrument Used : GA-085 Rotronic HygroPalm

Running on : N/A

Reviewed On : 10/12/22 16:50:31

Batch Date : 10/12/22 12:25:40

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.

Analyte	LOD	Units	Pass/Fail	Result	Action Level
TOTAL THC - HOMOGENEITY (RSD)	0.001	%	PASS	10.275	25
TOTAL CBD - HOMOGENEITY (RSD)	0.001	%	PASS	ND	25

Analyzed by	Average Weight	Extraction date :	Extracted By :
3404, 3655, 2507, 3303	5.616g	10/12/22 13:14:57	3655

Analysis Method : SOP.T.30.111.FL, SOP.T.40.111.FL

Analytical Batch : GA050958HOM

Instrument Used : GA-HPLC-002 HOM

Running on : 10/12/22 18:59:42

Reviewed On : 10/13/22 16:38:16

Batch Date : 10/12/22 12:26:19

Dilution : 40

Reagent : 090222.12; 081822.R45; 092222.R43; 100422.R11

Consumables : GA-169; 947.109; 21/05/14; 9291.271; LLS-00-0005; 12455-202CD-202C;

R0NB32898; 000000146137; 944C4 944J; 210268; 212516

Pipette : GA-005; GA-006; GA-149; GA-153; GA-150

Homogeneity testing is performed utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.