



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: GA30515002-005
Harvest/Lot ID: PHFV112-2305-20722
Batch#: BOS0-36B-121122
Cultivation Facility: Gainesville Cultivation
Processing Facility: Gainesville Processing
Source Facility: Gainesville Cultivation
Seed to Sale#: PHFV112-2305-20722
Batch Date: 05/10/23
Sample Size Received: 15.5 gram
Total Amount: 2083 units
Retail Product Size: .5 gram
Ordered: 05/15/23
Sampled: 05/15/23
Completed: 05/18/23
Sampling Method: SOP.T.20.010

May 18, 2023 | Liberty Health Sciences, FL

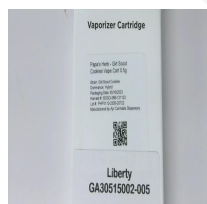
18770 N CR 225
Gainesville, FL, 32609, US



PASSED

Pages 1 of 6

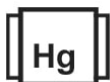
PRODUCT IMAGE



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

82.903%

Total THC/Container : 414.515 mg



Total CBD

0.211%

Total CBD/Container : 1.055 mg



Total Cannabinoids

86.529%

Total Cannabinoids/Container : 432.645 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	82.903	ND	0.211	ND	ND	2.375	ND	0.593	0.447	ND	ND
mg/unit	414.515	ND	1.055	ND	ND	11.875	ND	2.965	2.235	ND	ND
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:
3192, 2507, 3303

Weight:
0.1033g

Extraction date:
05/16/23 12:42:07

Extracted by:
3571

Analysis Method : SOP.T.40.031, SOP.T.30.031
 Analytical Batch : GA060217POT
 Instrument Used : GA-HPLC-003 2030C PDA (Derivative)
 Analyzed Date : 05/16/23 16:31:32

Reviewed On : 05/17/23 17:05:19
 Batch Date : 05/15/23 13:06:51

Dilution : 400
 Reagent : 030323.R43; 010421.44; 030823.04; 041423.R20; 050423.R29
 Consumables : 927.100; 9291.100; 12532-225CD-225C; GA-169; 21/05/14; LLS-00-0005; R0NB32898; 46610-762A; 944C4 944J; 209598; 206639
 Pipette : GA-002; GA-003; GA-004; GA-013

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

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Miranda MacDonald
 Lab Director

State License # CMTL-0001
 ISO 17025 Accreditation # ISO/IEC
 17025:2017 Accreditation P/LA-
 Testing 97164


 Signature
 05/18/23



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 18770 N CR 225
 Gainesville, FL, 32609, US
 Telephone: (833) 254-4877
 Email: Qualityassurance@libertyhealthsciences.com

Sample : GA30515002-005

Harvest/Lot ID: PHFV112-2305-20722

Batch# : B050-368-121122

Sampled : 05/15/23

Ordered : 05/15/23

Sample Size Received : 15.5 gram

Total Amount : 2083 units

Completed : 05/18/23 Expires: 05/18/24

Sample Method : SOP.T.20.010

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Page 3 of 6



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	OXAMYL	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	0.2	PASS	ND	PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	0.1	PASS	ND	PHOSMET	0.01	ppm	0.1	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	0.5	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	ppm	0.2	PASS	ND	PRALLETHRIN	0.01	ppm	0.1	PASS	ND
TOTAL SPINOSAD	0.01	ppm	0.1	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	PYRIDABEN	0.01	ppm	0.2	PASS	ND
ACEQUINOCYL	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
BOSCALID	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	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
CLOFENTHIZINE	0.01	ppm	0.2	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZINON	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DICHLORVOS	0.01	ppm	0.1	PASS	ND	795, 3303, 3192	0.241g	05/17/23 15:38:45	795		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.101.FL (Gainesville), SOP.T.40.102.FL (Davie)					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Analytical Batch : DA060277PES				Reviewed On : 05/17/23 16:23:10	
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-003 (PES)				Batch Date : 05/16/23 21:41:20	
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Analyzed Date : N/A					
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Dilution : 250					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051523.R02; 051023.R47; 042623.R45; 051723.R01; 040521.11					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Consumables : 6698360-03					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
FLUDIOXONIL	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	3317, 2155, 2507, 3192	0.8593g	05/15/23 16:45:28	3571		
IMAZALIL	0.01	ppm	0.1	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analytical Batch : GA060221VOL				Reviewed On : 05/17/23 17:00:18	
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Instrument Used : GA-GCMS-006				Batch Date : 05/15/23 13:09:48	
MALATHION	0.01	ppm	0.2	PASS	ND	Analyzed Date : 05/16/23 09:17:08					
METALAXYL	0.01	ppm	0.1	PASS	ND	Dilution : 50					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051123.R18; 040623.R32; 011122.06					
METHOMYL	0.01	ppm	0.1	PASS	ND	Consumables : 927.100; 9291.100; GA-210; H20364; LLS-00-0005; 89012-780; 296055173; 55447-U.15143701; 944C4 944; 209598; 206639					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Pipette : GA-002; GA-004; GA-013					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
NALED	0.01	ppm	0.25	PASS	ND						

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Miranda MacDonald
 Lab Director

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 17025:2017 Accreditation P/LA-
 Testing 97164


 Signature
 05/18/23



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Liberty Health Sciences, FL

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 Gainesville, FL, 32609, US
 Telephone: (833) 254-4877
 Email: Qualityassurance@libertyhealthsciences.com

Sample : GA30515002-005

Harvest/Lot ID: PHFV112-2305-20722

Batch# : B050-368-121122

Sampled : 05/15/23

Ordered : 05/15/23

Sample Size Received : 15.5 gram

Total Amount : 2083 units

Completed : 05/18/23 Expires: 05/18/24

Sample Method : SOP.T.20.010

Page 4 of 6



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:
 2155, 3303, 3192

 Weight:
 0.0277g

 Extraction date:
 05/16/23 10:26:30

 Extracted by:
 3317,2155

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA060216SOL

Instrument Used : GA-GCMS-001 Headspace Solvent

Analyzed Date : 05/16/23 10:33:45

Reviewed On : 05/17/23 16:56:21

Batch Date : 05/15/23 12:51:52

Dilution : N/A

Reagent : 010421.47

Consumables : R2017.167; G201.167

Pipette : GA-253

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



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Sampled : 05/15/23

Ordered : 05/15/23




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Total Amount : 2083 units

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Page 5 of 6

	Microbial	PASSED		Mycotoxins	PASSED											
Analyte			LOD	Units	Result	Pass / Fail	Action Level	Analyte			LOD	Units	Result	Pass / Fail	Action Level	
ECOLI SHIGELLA					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: 795, 3303, 3192			Weight: 0.241g	Extraction date: 05/17/23 15:38:45		Extracted by: 795		
TOTAL YEAST AND MOLD			10	CFU/g	<10	PASS	100000	Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)			Reviewed On : 05/17/23 16:21:15 Batch Date : 05/16/23 21:43:06					
Analyzed by: 3793, 3721, 3303, 3192			Weight: 1.0123g	Extraction date: 05/15/23 17:00:51		Extracted by: 3793		Analytical Batch : DA060278MYC								
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL						Reviewed On : 05/18/23 09:21:02			Instrument Used : DA-LCMS-004 (MYC)			Batch Date : 05/15/23 11:02:31				
Analytical Batch : GA060212MIC						Batch Date : 05/15/23 11:02:31			Analyzed Date : N/A							
Instrument Used : GA-200 Bacterial / GA-102 Fungal Incubators									Dilution : 250							
Analyzed Date : 05/15/23 16:58:40									Reagent : 051523.R02; 051023.R47; 042623.R45; 051723.R01; 040521.11							
Dilution : 10									Consumables : 6698360-03							
Reagent : 092022.51									Pipette : DA-093; DA-094; DA-219							
Consumables : GA-186; 010205; 013209; 007109; P-21557211R									Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.							
Pipette : GA-154																
Analyzed by: 3793, 3721, 3303, 3192			Weight: 1.0123g	Extraction date: 05/15/23 17:00:51		Extracted by: 3793					Heavy Metals	PASSED				
Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL									Metal			LOD	Units	Result	Pass / Fail	Action Level
Analytical Batch : GA060213TYM									TOTAL CONTAMINANT LOAD METALS			0.08	ppm	ND	PASS	1.1
Instrument Used : GA-102 Fungal Incubator (TYM)									ARSENIC			0.02	ppm	ND	PASS	0.2
Analyzed Date : 05/15/23 16:58:45									CADMIUM			0.02	ppm	ND	PASS	0.2
Dilution : 10									MERCURY			0.02	ppm	ND	PASS	0.2
Reagent : 092022.51									LEAD			0.02	ppm	ND	PASS	0.5
Consumables : GA-186; 007109; P-21557211R									Analyzed by: 2507, 3303, 3192			Weight: 0.255g	Extraction date: 05/16/23 09:34:17		Extracted by: 3571,3317	
Pipette : GA-154									Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL			Reviewed On : 05/17/23 16:26:44 Batch Date : 05/15/23 13:11:18				
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.									Analytical Batch : GA060223HEA							
									Instrument Used : GA-ICPMS-002							
									Analyzed Date : 05/17/23 09:31:02							
									Dilution : 50							
									Reagent : 042723.R27; 050623.R01; 010421.44; 071522.04; 011523.R02; 050623.R02; 110122.R06; 011523.R04							
									Consumables : GA-194; GA-195; 209598; 12532-225CD-225C							
									Pipette : GA-012							
									Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.							



2444 NE 1st Blvd Suite 700
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833-465-8378

Kaycha Labs

Girl Scout Cookies Vape Cartridge .5g
Girl Scout Cookies
Matrix : Derivative
Type: Distillate



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**Filth/Foreign
Material**

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.1	%	ND	PASS	1

Analyzed by: 3192, 3571	Weight: 7.86g	Extraction date: 05/15/23 12:29:11	Extracted by: 3192
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Analysis Method : SOP.T.40.090

Analytical Batch : GA060214FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Analyzed Date : N/A

Reviewed On : 05/15/23 19:34:50

Batch Date : 05/15/23 12:06:54

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	0.01	aw	0.575	PASS	0.85

Analyzed by: 3571, 2507, 3192	Weight: 0.76g	Extraction date: 05/15/23 18:35:59	Extracted by: 3571
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Analysis Method : SOP.T.40.019

Analytical Batch : GA060222WAT

Instrument Used : GA-085 Rotronic HygroPalm

Analyzed Date : N/A

Reviewed On : 05/17/23 17:05:54

Batch Date : 05/15/23 13:10:38

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.

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**Miranda
MacDonald**
Lab Director

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Testing 97164

Signature
05/18/23