



Certificate of Analysis

COMPLIANCE FOR RETAIL

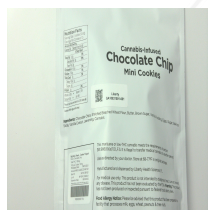
Sample:GA10831001-001
Harvest/Lot ID: BP100P-210824-01
Batch#: IB-THC-081821
Seed to Sale# BP100P-210824-01
Batch Date: 08/24/21
Sample Size Received: 72.5 gram
Total Amount: 919 gram
Retail Product Size: 130.2
Ordered : 08/31/21
Sampled : 08/31/21
Completed: 09/03/21
Sampling Method: SOP.T.20.010

Sep 03, 2021 | Liberty Health Sciences, FL

18770 N CR 225
Gainesville, FL, 32609, US

PASSED

Pages 1 of 5

PRODUCT IMAGE


Mylar Bag

SAFETY RESULTS

Pesticides
PASSED

Heavy Metals
PASSED

Microbials
PASSED

Mycotoxins
PASSED

Residuals Solvents
PASSED

Filtration
PASSED

Water Activity
PASSED

Moisture
NOT TESTED

Terpenes
NOT TESTED
MISC.

Cannabinoid
PASSED

Total THC
0%

/Container : 103.249 mg


Total CBD
0%

/Container : 0 mg


Total Cannabinoids
0%

Total Cannabinoids/Container : 103.249 mg

%
mg/g
LOD

CBDV

0

0.001
%

CBDA

0

0.001
%

CBGA

0

0.001
%

CBG

0.001

0.001
%

CBD

0

0.001
%

THCV

0

0.001
%

CBN

0

0.001
%

D9-THC

0.079

0.001
%

D8-THC

0

0.001
%

CBC

0

0.001
%

THCA

0

0.001
%

Analyzed by:
1541

Weight:
2.9844g

Extraction date:
08/31/21 11:08:00

Extracted by:
2821

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

Analytical Batch : GA030649POT

Instrument Used : GA-HPLC-003 2030C PDA

Analyzed Date : 08/31/21 15:24:07

Reviewed On : 09/01/21 09:07:47

Batch Date : 08/31/21 09:28:22

Dilution : 40

Reagent : 060220.R16; 010421.51; 010621.36; 082621.R03; 082521.R45

Consumables : 12035-035CD-035C; 947.271; 470228-424; 9291.271; 200721; R0NB32898; 00299409

Pipette : N/A

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
09/03/21



Certificate of Analysis

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Liberty Health Sciences, FL

 18770 N CR 225
 Gainesville, FL, 32609, US
 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
ABAMECTIN B1A	0.01	ppm	0.3		0	PROPOXUR	0.01	ppm	0.1		0
ACEPHATE	0.01	ppm	3		0	PYRETHRINS	0.05	ppm	1		0
ACEQUINOCYL	0.01	ppm	2		0	PYRIDABEN	0.02	ppm	3		0.008
ACETAMIPRID	0.01	ppm	3		0	SPIROMESIFEN	0.01	ppm	3		0
ALDICARB	0.01	ppm	0.1		0	SPIROTETRAMAT	0.01	ppm	3		0
AZOXYSTROBIN	0.01	ppm	3		0	SPIROXAMINE	0.01	ppm	0.1		0
BIFENAZATE	0.01	ppm	3		0	TEBUCONAZOLE	0.01	ppm	1		0
BIFENTHRIN	0.01	ppm	0.5		0	THIACLOPRID	0.01	ppm	0.1		0
BOSCALID	0.01	PPM	3		0	THIAMETHOXAM	0.05	ppm	1		0
CARBARYL	0.05	ppm	0.5		0	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.05	PPM	20		0
CARBOFURAN	0.01	ppm	0.1		0	TOTAL DIMETHOMORPH	0.02	PPM	3		0
CHLORANTRANILIPROLE	0.1	ppm	3		0	TOTAL PERMETHRIN	0.01	ppm	1		0
CHLORMEQUAT CHLORIDE	0.1	ppm	3		0	TOTAL SPINETORAM	0.02	PPM	3		0
CHLORPYRIFOS	0.01	ppm	0.1		0	TOTAL SPINOSAD	0.01	ppm	3		0
CLOFENTEZINE	0.02	ppm	0.5		0	TRIFLOXYSTROBIN	0.01	ppm	3		0
COUMAPHOS	0.01	ppm	0.1		0	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2		0
DAMINOZIDE	0.01	ppm	0.1		0	PARATHION-METHYL *	0.01	PPM	0.1		0
DIAZINON	0.01	ppm	3		0	CAPTAN *	0.025	PPM	3		0
DICHLORVOS	0.01	ppm	0.1		0	CHLORDANE *	0.01	PPM	0.1		0
DIMETHOATE	0.01	ppm	0.1		0	CHLORFENAPYR *	0.01	PPM	0.1		0
ETHOPROPHOS	0.01	ppm	0.1		0	CYFLUTHRIN *	0.01	PPM	1		0
ETOFENPROX	0.01	ppm	0.1		0	CYPERMETHRIN *	0.01	PPM	1		0
ETOXAZOLE	0.01	ppm	1.5		0	Analyzed by: 1850 Weight: 0.9975g Extraction date: 08/31/21 11:08:39 Extracted by: 1791					
FENHEXAMID	0.01	ppm	3		0	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)					
FENOXYCARB	0.01	ppm	0.1		0	Analytical Batch : GA030651PES Reviewed On : 09/01/21 10:44:52					
FENPYROXIMATE	0.01	ppm	2		0	Instrument Used : GA-LCMS-001 PES Batch Date : 08/31/21 09:29:38					
FIPRONIL	0.01	ppm	0.1		0	Analyzed Date : 09/01/21 09:50:26					
FLONICAMID	0.01	ppm	2		0	Dilution : 10					
FLUDIOXONIL	0.01	ppm	3		0	Reagent : 082921.R01; 090420.01; 082621.R33; 082721.R28					
HEXYTHIAZOX	0.01	ppm	2		0	Consumables : 947.217; 470228-424; 9291.197; 200721; 210419634; 296055173					
IMAZALIL	0.01	ppm	0.1		0	Pipette : N/A					
IMIDACLOPRID	0.04	ppm	1		0	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
KRESOXIM-METHYL	0.01	ppm	1		0	Analyzed by: Weight: Extraction date: Extracted by:					
MALATHION	0.02	ppm	2		0	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
METALAXYL	0.01	ppm	3		0	Analytical Batch : GA030691VOL Reviewed On : 09/01/21 10:32:13					
METHIOCARB	0.01	ppm	0.1		0	Instrument Used : GA-GCMS-003 Batch Date : 08/31/21 13:24:53					
METHOMYL	0.01	ppm	0.1		0	Analyzed Date : N/A					
MEVINPHOS	0.01	ppm	0.1		0	Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
MYCLOBUTANIL	0.01	ppm	3		0						
NALED	0.025	ppm	0.5		0						
OXAMYL	0.05	ppm	0.5		0						
PACLOBUTRAZOL	0.01	ppm	0.1		0						
PHOSMET	0.01	ppm	0.2		0						
PIPERONYL BUTOXIDE	0.3	ppm	3		0.003						
PRALLETHRIN	0.01	ppm	0.4		0						
PROPICONAZOLE	0.01	ppm	1		0						

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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
 09/03/21



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PASSED

Liberty Health Sciences, FL

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

 Sample : GA10831001-001
 Harvest/Lot ID: BP100P-210824-01

 Batch# : 1B-THC-081821
 Sampled : 08/31/21
 Ordered : 08/31/21

 Sample Size Received : 72.5 gram
 Total Amount : 919 gram
 Completed : 09/03/21 Expires: 09/03/22
 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		0
ETHANOL	500	ppm	5000		0
PENTANES (N-PENTANE)	75	ppm	750		0
ETHYL ETHER	50	ppm	500		0
ACETONE	75	ppm	750		0
2-PROPANOL	50	ppm	500		0
ACETONITRILE	6	ppm	60		0
DICHLOROMETHANE	12.5	ppm	125		0
N-HEXANE	25	ppm	250		0
ETHYL ACETATE	40	ppm	400		0
BENZENE	0.1	ppm	1		0
HEPTANE	500	ppm	5000		0
TOLUENE	15	ppm	150		0
TOTAL XYLENES	15	ppm	150		0
PROPANE	500	ppm	5000		0
CHLOROFORM	0.2	ppm	2		0
1,2-DICHLOROETHANE	0.2	ppm	2		0
BUTANES (N-BUTANE)	500	ppm	5000		0
ETHYLENE OXIDE	0.5	ppm	5		0
1,1-DICHLOROETHENE	0.8	ppm	8		0
TRICHLOROETHYLENE	2.5	ppm	25		0

Analyzed by: 2155	Weight: 0.0243g	Extraction date: 08/31/21 02:08:01	Extracted by: 2155
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 Analysis Method : SOP.T.40.041.FL
 Analytical Batch : GA030689SOL
 Instrument Used : GA-GCMS-001 Headspace Solvent
 Analyzed Date : 08/31/21 14:43:19

 Reviewed On : 09/01/21 10:29:42
 Batch Date : 08/31/21 13:08:03

 Dilution : N/A
 Reagent : N/A
 Consumables : 24154107; ach-20-1720
 Pipette : N/A

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



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Liberty Health Sciences, FL


 18770 N CR 225
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 Sample : GA10831001-001
 Harvest/Lot ID: BP100P-210824-01

 Batch# : 1B-THC-081821
 Sample Size Received : 72.5 gram
 Total Amount : 919 gram
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 Completed : 09/03/21 Expires: 09/03/22
 Ordered : 08/31/21
 Sample Method : SOP.T.20.010

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<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	1726	RFU	0		1726	AFLATOXIN B2	0.002	ppm	0		0.02	
SALMONELLA SPECIFIC GENE	10000	RFU	0		10000	AFLATOXIN B1	0.002	ppm	0		0.02	
ASPERGILLUS FLAVUS	10000	RFU	0		10000	AFLATOXIN G1	0.002	ppm	0		0.02	
ASPERGILLUS FUMIGATUS	10000	RFU	0		10000	AFLATOXIN G2	0.002	ppm	0		0.02	
ASPERGILLUS TERREUS	10000	RFU	0		10000	OCHRATOXIN A	0.002	ppm	0		0.02	
ASPERGILLUS NIGER	10000	RFU	0		10000							
TOTAL YEAST AND MOLD	10	CFU	<10		100000							
Analyzed by: 2119	Weight: 1.18g	Extraction date: 08/31/21 07:08:51		Extracted by: 2119		Analyzed by: 1850	Weight: 0.9975g	Extraction date: N/A		Extracted by: N/A		
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL						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)						
Analytical Batch : GA030695MIC			Reviewed On : 09/03/21 08:04:55			Analytical Batch : GA030692MYC			Reviewed On : 09/01/21 10:43:56			
Instrument Used : GA-093 PathogenDx Scanner (MIC)			Batch Date : 08/31/21 13:42:46			Instrument Used : GA-LCMS-001 MYC			Batch Date : 08/31/21 13:24:58			
Analyzed Date : 08/31/21 19:01:35						Analyzed Date : 09/01/21 09:50:10						
Dilution : 10						Dilution : ND; ND; ND; ND; ND						
Reagent : 072821.13; 091520.07						Reagent : Aflatoxin G2; Aflatoxin G1; Aflatoxin B2; Aflatoxin B1; Ochratoxin A						
Consumables : 002005; 004102; 003102						Consumables : 0.02; 0.02; 0.02; 0.02; 0.02						
Pipette : N/A						Pipette : N/A						
						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.						
Analyzed by: N/A	Weight: N/A	Extraction date: N/A		Extracted by: N/A		<div><div><div>Hg</div></div></div>	Heavy Metals				PASSED	
Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL												
Analytical Batch : GA030696TYM			Reviewed On : 09/03/21 08:05:05									
Instrument Used : GA-093 PathogenDx Scanner (QUANT)			Batch Date : 08/31/21 13:42:51									
Analyzed Date : 08/31/21 19:10:26												

 Heavy Metals PASSED					
Metal	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.02	PPM	0.005		1.5
CADMIUM	0.02	PPM	0.024		0.5
MERCURY	0.02	PPM	0.026		3
LEAD	0.05	PPM	0.02		0.5
Analyzed by: 650 Weight: 0.2523g Extraction date: 08/31/21 02:08:32 Extracted by: 1791 Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL Analytical Batch : GA030650HEA Instrument Used : GA-ICPMS-002 Analyzed Date : 09/02/21 15:39:32 Dilution : 50 Reagent : 081621.R09; 082421.R31; 010421.51; 061621.03; 082421.R51; 082421.R39; 081321.R24; 082421.R46 Consumables : CGR0114; 12035-035CD-035C Pipette : N/A 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

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.1	%	0		5

Analyzed by: Weight: Analysis Method : SOP.T.40.090 Analytical Batch : GA030667FIL Instrument Used : GA-Filth/Foreign Material Microscope Analyzed Date : N/A	Extraction date: Reviewed On : 08/31/21 13:37:10 Batch Date : 08/31/21 10:14:41
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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		aw	0.538		0.85

Analyzed by: Weight: Analysis Method : SOP.T.40.019 Analytical Batch : GA030652WAT Instrument Used : GA-125 Rotronic HygroPalm Analyzed Date : N/A	Extraction date: Reviewed On : 08/31/21 13:36:32 Batch Date : 08/31/21 09:30:06
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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	%		0	25

Analyzed by Average Weight Analysis Method : SOP.T.30.111.FL, SOP.T.40.111.FL Analytical Batch : N/A Instrument Used : N/A Analyzed Date : N/A	Extraction date : Reviewed On : 09/01/21 09:06:36 Batch Date : N/A
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Homogeneity testing is performed utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.