



# Certificate of Analysis

**Sample:**GA20618001-010  
**Harvest/Lot ID:** BP100P-2206-9888

**Batch#:** RME100T-2206-9398

**Cultivation Facility:** Gainesville Cultivation

**Processing Facility :** Gainesville Processing

**Seed to Sale#** BP100P-2206-9888

**Batch Date:** 06/15/22

**Sample Size Received:** 1015 gram

**Total Batch Size:** 1058 gram

**Retail Product Size:** 145 gram

**Ordered :** 06/18/22

**Sampled :** 06/18/22

**Completed:** 06/21/22

**Sampling Method:** SOP.T.20.010.FL

**PASSED**

Page 1 of 5

Jun 21, 2022 | Liberty Health Sciences, FL

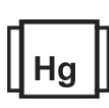
18770 N CR 225

Gainesville, FL, 32609, US


**PRODUCT IMAGE**


mylar bag

**SAFETY RESULTS**

**Pesticides**  
**PASSED**

**Heavy Metals**  
**PASSED**

**Microbials**  
**PASSED**

**Mycotoxins**  
**PASSED**

**Residuals Solvents**  
**PASSED**

**Filth**  
**PASSED**

**Water Activity**  
**PASSED**

**Moisture**  
**NOT TESTED**

**Terpenes**  
**NOT TESTED**
**MISC.**

**Cannabinoid**
**PASSED**

**Total THC**
**0.074%**
**Total THC/Container : 107.3 mg**

**Total CBD**
**0%**
**Total CBD/Container : 0 mg**

**Total Cannabinoids**
**0.074%**
**Total Cannabinoids/Container : 107.3 mg**

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
60											
%	0.074	ND	ND	ND	ND	<0.01	ND	ND	ND	ND	ND
mg/g	0.74	ND	ND	ND	ND	<0.1	ND	ND	ND	ND	ND
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:**  
3209, 3134, 3205, 2338

**Weight:**  
3.0258g

**Extraction date:**  
06/19/22 15:55:41

**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 15:32:09

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

**Dilution :** 40

**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.



# Certificate of Analysis

**PASSED**

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20618001-010

Harvest/Lot ID: BP100P-2206-9888

Batch# : RME100T-2206-9398

Sampled : 06/18/22

Ordered : 06/18/22

Sample Size Received : 1015 gram

Total Batch Size : 1058 gram

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

Sample Method : SOP.T.20.010

Page 2 of 5



## 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	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	PYRETHRINS	0.01	ppm	1	PASS	ND
ACEQUINOXYL	0.01	ppm	2	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	PPM	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	TOTAL DIMETHOMORPH	0.01	PPM	3	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TOTAL PERMETHRIN	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	TOTAL SPINETORAM	0.01	PPM	3	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	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	3	PASS	ND
DIAZINON	0.01	ppm	3	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	1	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	1	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
FENHEXAMID	0.01	ppm	3	PASS	ND	3209, 3134, 2338, 3298	0.9492g	06/19/22 15:58:59	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	2	PASS	ND	Analytical Batch : GA045608PES		Reviewed On : 06/20/22 13:12:21			
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	2	PASS	ND	Running on : 06/19/22 14:50:45					
FLUDIOXONIL	0.01	ppm	3	PASS	ND	Dilution : 10					
HEXYTHIAZOX	0.01	ppm	2	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	1	PASS	ND	Pipette : GA-002; GA-006; GA-013; GA-210 Dispenser					
KRESOXIM-METHYL	0.01	ppm	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	2	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
METALAXYL	0.01	ppm	3	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 13:15:43			
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	3	PASS	ND	Running on : 06/20/22 09:56:19					
NALED	0.01	ppm	0.5	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	0.2	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	0.4	PASS	ND						



# Certificate of Analysis

**PASSED**

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20618001-010

Harvest/Lot ID: BP100P-2206-9888

Batch# : RME100T-2206-9398

Sampled : 06/18/22

Ordered : 06/18/22

Sample Size Received : 1015 gram

Total Batch Size : 1058 gram

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

Sample Method : SOP.T.20.010

Page 3 of 5



## 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 15:12:40

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.





# Certificate of Analysis

**PASSED**

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20618001-010

Harvest/Lot ID: BP100P-2206-9888

Batch# : RME100T-2206-9398

Sampled : 06/18/22

Ordered : 06/18/22




Sample Size Received : 1015 gram

Total Batch Size : 1058 gram

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

Sample Method : SOP.T.20.010

Page 4 of 5

 <b>Microbial</b> <b>PASSED</b>						 <b>Mycotoxins</b> <b>PASSED</b>					
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: 3209, 3574, 1541 Weight: 1.1g Extraction date: 06/21/22 11:59:45 Extracted by: 3574 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 : GA045610MIC Instrument Used : GA-093 PathogenDx Scanner (MIC) Running on : Dilution : 90 Reagent : Consumables : 0000597; 40038W0001; 0000083; 40039; 40027W001; 40027W001; 40027W001; 0000132; W2176 Pipette : GA-017; GA-019; GA-024; GA-025; GA-136; GA-137; GA-139; GA-179; GA-180; GA-178; GA-202						Analyzed by: 3209, 3134, 2338, 3298 Weight: 0.9492g Extraction date: 06/19/22 16:01:01 Extracted by: 3134 Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL Analytical Batch : GA045618MYC Instrument Used : GA-LCMS-001 MYC Running on : 06/19/22 14:51:57 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.					
Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						 <b>Heavy Metals</b> <b>PASSED</b>					
Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
ARSENIC	0.02	PPM	ND	PASS	1.5	CADMIUM	0.02	PPM	<0.1	PASS	0.5
MERCURY	0.02	PPM	ND	PASS	3	LEAD	0.05	PPM	ND	PASS	0.5
Analyzed by: NA Weight: NA Extraction date: NA Extracted by: NA Analysis Method : SOP.T.40.041 Analytical Batch : GA045611TYM Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader Running on : 06/19/22 11:59:00 Dilution : 90 Reagent : 060122.12 Consumables : 2304090; 2304090; 61630-123C6-123E Pipette : GA-154; GA-213 Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						Analyzed by: 3209, 3317, 2338, 3298 Weight: 0.4862g Extraction date: 06/19/22 10:38:18 Extracted by: 2338 Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL Analytical Batch : GA045573HEA Instrument Used : GA-ICPMS-002 Running on : Dilution : 100 Reagent : 052422.R35; 061422.R22; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45 Consumables : GA-194; GA-195; CGR0114; 12035-035CD-035C; 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.					



# Certificate of Analysis

**PASSED**

Liberty Health Sciences, FL

18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20618001-010

Harvest/Lot ID: BP100P-2206-9888

Batch# : RME100T-2206-9398

Sampled : 06/18/22

Ordered : 06/18/22

Sample Size Received : 1015 gram

Total Batch Size : 1058 gram

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

Sample Method : SOP.T.20.010

Page 5 of 5



## Filth/Foreign Material

**PASSED**

## Homogeneity

**PASSED**

Amount of tests conducted : 12

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	1	%	ND	PASS	5

Analyzed by: 3209, 1541	Weight: 442g	Extraction date: 06/18/22 18:07:27	Extracted by: 3209
----------------------------	-----------------	---------------------------------------	-----------------------

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

Analytical Batch : GA045588FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on :

Reviewed On : 06/18/22 18:02:03

Batch Date : 06/18/22 13:19:08

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	0.528	PASS	0.85

Analyzed by: 3209, 3571, 3134	Weight: 1.3384g	Extraction date: 06/18/22 19:56:33	Extracted by: 3571
----------------------------------	--------------------	---------------------------------------	-----------------------

Analysis Method : SOP.T.40.019

Analytical Batch : GA045606WAT

Instrument Used : GA-085 Rotronic HygroPalm

Running on :

Reviewed On : 06/20/22 15:29:16

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.

Analyte	LOD	Units	Pass/Fail	Result	Action Level
---------	-----	-------	-----------	--------	--------------

TOTAL THC - HOMOGENEITY (RSD) 0.001 % PASS 11.218 25

TOTAL CBD - HOMOGENEITY (RSD) 0.001 % PASS ND 25

Analyzed by 3209, 3205, 1541	Average Weight 3.341g	Extraction date : 06/19/22 14:08:25	Extracted By : 3205
---------------------------------	--------------------------	--	------------------------

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

Analytical Batch : GA045604HOM

Instrument Used : GA-HPLC-002 HOM

Running on : 06/19/22 16:59:53

Reviewed On : 06/21/22 09:36:33

Batch Date : 06/18/22 17:32:02

Dilution : 40

Reagent : 020322.R09; 051822.01; 060922.12; 060422.R40; 060822.R52

Consumables : 947.109; 470228-424; 9291.197; 110921; 12035-035CD-035C; R0NB32898; 00321396; 944C4 944J; 210268; 206639; GA-169

Pipette : GA-005; GA-146; GA-150

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