



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample:GA30511001-003
Harvest/Lot ID: NWFB200-2305-20655
Batch#: SP-129P-062921
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Source Facility : Gainesville Cultivation
Seed to Sale# NWFB200-2305-20655
Batch Date: 05/08/23
Sample Size Received: 168 gram
Total Amount: 247 units
Retail Product Size: 56 gram
Ordered: 05/11/23
Sampled: 05/11/23
Completed: 05/16/23
Sampling Method: SOP.T.20.010

May 16, 2023 | Liberty Health Sciences,
FL

18770 N CR 225
Gainesville, FL, 32609, US



PASSED

Pages 1 of 5

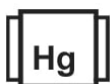
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
PASSED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.



Cannabinoid

PASSED



Total THC

0.456%

Total THC/Container : 255.36 mg



Total CBD

0.469%

Total CBD/Container : 262.64 mg



Total Cannabinoids

0.962%

Total Cannabinoids/Container : 538.72 mg

%	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
mg/unit	0.456	ND	0.469	ND	ND	0.023	ND	0.006	ND	ND	0.008
LOD	255.36	ND	262.64	ND	ND	12.88	ND	3.36	ND	ND	4.48
%	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001

Analized by:
3600, 3192, 2507, 3303

Weight:
2.903g

Extraction date:
05/11/23 11:51:23

Extracted by:
3600

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : GA060020POT
Instrument Used : GA-HPLC-001 2030C Plus (Infused)
Analized Date : 05/11/23 14:56:23

Reviewed On : 05/12/23 15:26:34
Batch Date : 05/10/23 13:21:49

Dilution : 400
Reagent : 062022.14; 030323.R43; 010421.47; 041023.02; 041423.R19; 050423.R30
Consumables : 212823; 947.109; 21/05/14; 9291.271; LLS-00-0005; 12543-226CD-226C; R0NB32898; 46610-762A; 031C4 - 031 J; 212516
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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Miranda MacDonald
Lab Director

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


Signature
05/16/23



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 18770 N CR 225
 Gainesville, FL, 32609, US
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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
CLOFENTHIZINE	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	Analyzed by: 795, 3303Weight: 0.2462gExtraction date: 05/15/23 15:45:41Extracted by: 795					
DIAZINON	0.01	ppm	3	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)					
DICHLORVOS	0.01	ppm	0.1	PASS	ND	Analytical Batch : DA060228PESReviewed On : 05/16/23 16:33:49					
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-004 (PES)Batch Date : 05/15/23 15:33:54					
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	Analyzed Date : N/A					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Dilution : 250					
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	Reagent : 051523.R02; 051023.R47; 042623.R45; 051023.R16; 040521.11					
FENHEXAMID	0.01	ppm	3	PASS	ND	Consumables : 6698360-03					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FENPYROXIMATE	0.01	ppm	2	PASS	ND	Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Analyzed by: 2155, 3303Weight: 1.0311gExtraction date: 05/11/23 11:43:58Extracted by: 3655					
FLONICAMID	0.01	ppm	2	PASS	ND	Analysis Method : SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL					
FLUDIOXONIL	0.01	ppm	3	PASS	ND	Analytical Batch : GA060015VOLReviewed On : 05/12/23 10:15:30					
HEXYTHIAZOX	0.01	ppm	2	PASS	ND	Instrument Used : GA-GCMS-006Batch Date : 05/10/23 12:10:44					
IMAZALIL	0.01	ppm	0.1	PASS	ND	Analyzed Date : 05/10/23 18:26:43					
IMIDACLOPRID	0.01	ppm	1	PASS	ND	Dilution : 50					
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND	Reagent : 051123.R18; 032823.R34; 011122.06					
MALATHION	0.01	ppm	2	PASS	ND	Consumables : 947.109; 21/05/14; 9291.271; LLS-00-0005; 210419634; 296055173; 55447-U.15143701;					
METALAXYL	0.01	ppm	3	PASS	ND	944C4 944J; 209598; 212516					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Pipette : GA-003; GA-007; GA-177					
METHOMYL	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.					
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						

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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
 05/16/23



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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 : GA30511001-003

Harvest/Lot ID: NWFB200-2305-20655

Batch# : SP-129P-062921

Sampled : 05/11/23

Ordered : 05/11/23

Sample Size Received : 168 gram

Total Amount : 247 units

Completed : 05/16/23 Expires: 05/16/24

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		TESTED	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, 3317, 3303

 Weight:
 0.0296g

 Extraction date:
 05/11/23 13:15:47

 Extracted by:
 2155

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA060070SOL

Instrument Used : GA-GCMS-001 Headspace Solvent

Analyzed Date : 05/11/23 13:17:17

Reviewed On : 05/13/23 16:48:04

Batch Date : 05/11/23 11:52:23

Dilution : N/A

Reagent : 010421.47

Consumables : 27296; 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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Total Amount : 247 units


Completed : 05/16/23 Expires: 05/16/24

Sample Method : SOP.T.20.010

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	Microbial	PASSED			
Analyte	LOD	Units	Result	Pass / Fail	Action Level
ECOLI SHIGELLA			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS TERREUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000
Analyzed by: 3793, 3721, 3317, 3303	Weight: 1.0254g	Extraction date: 05/11/23 12:54:28	Extracted by: 3793		
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL Analytical Batch : GA060056MIC Instrument Used : GA-200 Bacterial / GA-102 Fungal Incubators Analyzed Date : 05/11/23 12:58:25 Dilution : 10 Reagent : 092022.51 Consumables : GA-186; 010205; 013209; 007109; P-21557211R Pipette : GA-154					
Reviewed On : 05/13/23 16:47:40 Batch Date : 05/11/23 10:36:05					
Analyzed by: 3793, 3721, 3317, 3303	Weight: 1.0254g	Extraction date: 05/11/23 12:54:28	Extracted by: 3793		
Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL Analytical Batch : GA060057TYM Instrument Used : GA-102 Fungal Incubator (TYM) Analyzed Date : 05/11/23 12:58:29 Dilution : 10 Reagent : 092022.51 Consumables : GA-186; 007109; P-21557211R Pipette : GA-154					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.					

	Mycotoxins	PASSED			
Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
Analyzed by: 795, 3303	Weight: 0.2462g	Extraction date: 05/15/23 15:45:41	Extracted by: 795		
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 : DA060229MYC Instrument Used : DA-LCMS-004 (MYC) Analyzed Date : N/A Dilution : 250 Reagent : 051523.R02; 051023.R47; 042623.R45; 051023.R16; 040521.11 Consumables : 6698360-03 Pipette : DA-093; DA-094; DA-219					
Reviewed On : 05/16/23 16:36:32 Batch Date : 05/15/23 15:36:54					
Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					

	Heavy Metals	PASSED			
Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.08	ppm	ND	PASS	5
ARSENIC	0.02	ppm	ND	PASS	1.5
CADMIUM	0.02	ppm	ND	PASS	0.5
MERCURY	0.02	ppm	ND	PASS	3
LEAD	0.02	ppm	ND	PASS	0.5
Analyzed by: 3571, 3721, 2507, 3303	Weight: 0.2314g	Extraction date: 05/11/23 14:18:10	Extracted by: 3571,3600,3721		
Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL Analytical Batch : GA059963HEA Instrument Used : GA-ICPMS-002 Analyzed Date : 05/11/23 18:30:42 Dilution : 50 Reagent : 042723.R27; 050623.R01; 071522.04; 010421.45; 011523.R02; 110122.R06; 011523.R03; 040723.R30 Consumables : 12532-225CD-225C; GA-194; GA-195; 209598 Pipette : GA-012					
Reviewed On : 05/12/23 08:48:19 Batch Date : 05/09/23 18:32:46					
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
Gainesville, FL, 32609, US
833-465-8378

Kaycha Labs

1:1 CBD:THC Cooling Balm 500mg

N/A

Matrix : Derivative

Type: Topical



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Page 5 of 5



**Filth/Foreign
Material**

PASSED

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

Analyzed by: 3655, 3571, 3303	Weight: 106.9697g	Extraction date: 05/11/23 10:56:59	Extracted by: 3655
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Analysis Method : SOP.T.40.090

Analytical Batch : GA060052FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Analyzed Date : N/A

Reviewed On : 05/11/23 17:16:30

Batch Date : 05/11/23 10:31:07

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	0.558	TESTED	

Analyzed by: 3571, 3575, 3303	Weight: 0.6331g	Extraction date: 05/11/23 17:08:06	Extracted by: 3655
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Analysis Method : SOP.T.40.019

Analytical Batch : GA060069WAT

Instrument Used : GA-085 Rotronic HygroPalm

Analyzed Date : N/A

Reviewed On : 05/12/23 09:32:45

Batch Date : 05/11/23 11:24:47

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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Signature
05/16/23