



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample:GA30512001-002
Harvest/Lot ID: NWFB200-2305-20713
Batch#: SP-129P-062921
Cultivation Facility: Gainesville Cultivation
Processing Facility : Gainesville Processing
Source Facility : Gainesville Cultivation
Seed to Sale# NWFB200-2305-20713
Batch Date: 05/10/23
Sample Size Received: 168 gram
Total Amount: 245 units
Retail Product Size: 56 gram
Ordered: 05/12/23
Sampled: 05/12/23
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

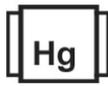
PRODUCT IMAGE



SAFETY RESULTS



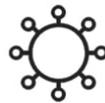
Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



FiltH
PASSED



Water Activity
PASSED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.



Cannabinoid

PASSED



Total THC
0.413%

Total THC/Container : 231.28 mg



Total CBD
0.441%

Total CBD/Container : 246.96 mg



Total Cannabinoids
0.887%

Total Cannabinoids/Container : 496.72 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	0.413	ND	0.441	ND	ND	0.021	ND	0.005	ND	ND	0.007
mg/unit	231.28	ND	246.96	ND	ND	11.76	ND	2.8	ND	ND	3.92
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:
3655, 3317, 3192, 3303

Weight:
3.0155g

Extraction date:
05/12/23 13:34:14

Extracted by:
3655

Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : GA060089POT
Instrument Used : GA-HPLC-001 2030C Plus (Infused)
Analyzed Date : 05/12/23 20:41:27

Reviewed On : 05/16/23 10:38:25
Batch Date : 05/12/23 09:44:27

Dilution : 400
Reagent : 041423.R19; 050423.R30; 062022.14; 010421.44; 041023.04; 071522.04
Consumables : GA-196; GA-169; GA-209; 947.109; 21/05/14; 9291.271; LLS-00-0005; 12543-226CD-226C; RONB32898; 46610-762A; 944C4 944J; 209598; 212516
Pipette : GA-003; GA-005; GA-007; GA-177

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

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion, RSD=Relative Standard Deviation. Limit of Detection (LOD) and Limit Of Quantitation (LOQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. Action Levels are State determined thresholds based on F.S. Rule 64ER20-39 and F.S. Rule 5K-4. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU. Any calculated totals may contain rounding errors.

Miranda MacDonald
Lab Director



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

Signature
05/16/23



Certificate of Analysis

PASSED

Liberty Health Sciences, FL

Sample : GA30512001-002
Harvest/Lot ID: NWFB200-2305-20713

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

Batch# : SP-129P-062921 Sample Size Received : 168 gram
Sampled : 05/12/23 Total Amount : 245 units
Ordered : 05/12/23 Completed : 05/16/23 Expires: 05/16/24
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	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
ACEQUINOCLYL	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
CLOFENTEZINE	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	795, 3303	0.2553g	05/15/23 15:45:42	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 : DA060228PES Reviewed On : 05/16/23 16:33:54					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Instrument Used : DA-LCMS-004 (PES) Batch Date : 05/15/23 15:33:54					
ETOXAZOLE	0.01	ppm	1.5	PASS	ND	Analyzed Date : N/A					
FENHEXAMID	0.01	ppm	3	PASS	ND	Dilution : 250					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051523.R02; 051023.R47; 042623.R45; 051023.R16; 040521.11					
FENPYROXIMATE	0.01	ppm	2	PASS	ND	Consumables : 6698360-03					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Pipette : DA-093; DA-094; DA-219					
FLONICAMID	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.					
FLUDIOXONIL	0.01	ppm	3	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
HEXYTHIAZOX	0.01	ppm	2	PASS	ND	2155, 3317, 3303	1.0533g	05/12/23 13:19:12	3575		
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	1	PASS	ND	Analytical Batch : GA060123VOL Reviewed On : 05/13/23 16:43:12					
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND	Instrument Used : GA-GCMS-006 Batch Date : 05/12/23 11:31:41					
MALATHION	0.01	ppm	2	PASS	ND	Analyzed Date : 05/12/23 15:16:14					
METALAXYL	0.01	ppm	3	PASS	ND	Dilution : 50					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Reagent : 051123.R18; 032823.R34; 011122.06					
METHOMYL	0.01	ppm	0.1	PASS	ND	Consumables : 212823; 947.109; 21/05/14; 9291.271; LLS-00-0005; 89012-780; 296055173; 46610-762A; 031C4 - 031 J; 206639					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Pipette : GA-003; GA-005; GA-177; GA-210 Dispenser					
MYCLOBUTANIL	0.01	ppm	3	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	0.5	PASS	ND						

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion, RSD=Relative Standard Deviation. Limit of Detection (LOD) and Limit Of Quantitation (LOQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. Action Levels are State determined thresholds based on F.S. Rule 64ER20-39 and F.S. Rule 5K-4. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU. Any calculated totals may contain rounding errors.

Miranda MacDonald
Lab Director



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

Signature
05/16/23



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 : GA30512001-002
Harvest/Lot ID: NWFB200-2305-20713
Batch# : SP-129P-062921
Sample Size Received : 168 gram
Sampled : 05/12/23
Ordered : 05/12/23
Total Amount : 245 units
Completed : 05/16/23 Expires: 05/16/24
Sample Method : SOP.T.20.010

Page 3 of 5



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

Analized by: 2155, 3317, 3303	Weight: 0.0229g	Extraction date: 05/12/23 13:41:25	Extracted by: 2155
----------------------------------	--------------------	---------------------------------------	-----------------------

Analysis Method : SOP.T.40.041.FL	Reviewed On : 05/13/23 16:44:47
Analytical Batch : GA06010550L	Batch Date : 05/12/23 10:35:53
Instrument Used : GA-GCMS-001 Headspace Solvent	
Analyzed Date : 05/12/23 13:42:48	

Dilution : N/A
Reagent : 010421.47
Consumables : 27296; 854996
Pipette : GA-253

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

This Kaycha Labs Certification shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. The results relate only to the material or product analyzed. ND=Not Detected, ppm=Parts Per Million, ppb=Parts Per Billion, RSD=Relative Standard Deviation. Limit of Detection (LOD) and Limit Of Quantitation (LOQ) are terms used to describe the smallest concentration that can be detected and reliably measured by an analytical procedure, respectively. Action Levels are State determined thresholds based on F.S. Rule 64ER20-39 and F.S. Rule 5K-4. The Measurement of Uncertainty (MU) error is available from the lab upon request. The "Decision Rule" for pass/fail does not include the MU. Any calculated totals may contain rounding errors.

Miranda MacDonald
Lab Director

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

Signature
05/16/23



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 : GA30512001-002
Harvest/Lot ID: NWFB200-2305-20713

Batch# : SP-129P-062921 Sample Size Received : 168 gram
Sampled : 05/12/23 Total Amount : 245 units
Ordered : 05/12/23 Completed : 05/16/23 Expires: 05/16/24
Sample Method : SOP.T.20.010

Page 4 of 5

	Microbial	PASSED		Mycotoxins	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	
STAPHYLOCOCCUS AUREUS			Not Present	PASS	
LISTERIA MONOCYTOGENES			Not Present	PASS	
BTGN	100	CFU/g	ND	TESTED	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

Analyzed by: 3793, 3721, 3303 Weight: 1.0271g Extraction date: 05/12/23 11:52:10 Extracted by: 3721

Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL
Analytical Batch : GA060104MIC Reviewed On : 05/16/23 12:30:01
Instrument Used : GA-200 Bacterial / GA-102 Fungal Incubators Batch Date : 05/12/23 10:32:55
Analyzed Date : N/A

Dilution : 10
Reagent : 092022.51
Consumables : GA-186; 010205; 2854201; 258111; 013209; 005110; 007109; 61630-123C6-123E
Pipette : GA-140

Analyzed by: 3793, 3721, 3303 Weight: 1.0271g Extraction date: 05/12/23 11:52:10 Extracted by: 3721

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL
Analytical Batch : GA060110TYM Reviewed On : 05/16/23 12:36:10
Instrument Used : GA-102 Fungal Incubator (TYM) Batch Date : 05/12/23 10:40:46
Analyzed Date : N/A

Dilution : 10
Reagent : 092022.51
Consumables : GA-186; 007109; 61630-123C6-123E
Pipette : GA-140

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

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: 0.2553g Extraction date: 05/15/23 15:45:42 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 Reviewed On : 05/16/23 16:36:34
Instrument Used : DA-LCMS-004 (MYC) Batch Date : 05/15/23 15:36:54
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

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: 3317, 2155, 3303 Weight: 0.2429g Extraction date: 05/13/23 08:44:53 Extracted by: 3317, 3575

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL
Analytical Batch : GA060068HEA Reviewed On : 05/13/23 17:00:00
Instrument Used : GA-ICPMS-002 Batch Date : 05/11/23 11:23:53
Analyzed Date : 05/13/23 14:32:39

Dilution : 50
Reagent : 011523.R02; 050623.R02; 110122.R06; 011523.R04; 042723.R27; 050623.R01; 010421.44; 071522.04
Consumables : 212823; 12543-226CD-226C
Pipette : GA-012; GA-194; GA-195

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 : GA30512001-002
Harvest/Lot ID: NWFB200-2305-20713
Batch# : SP-129P-062921 Sample Size Received : 168 gram
Sampled : 05/12/23 Total Amount : 245 units
Ordered : 05/12/23 Completed : 05/16/23 Expires: 05/16/24
Sample Method : SOP.T.20.010

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, 3575, 3303 Weight: 110g Extraction date: 05/12/23 10:47:17 Extracted by: 3655

Analysis Method : SOP.T.40.090
Analytical Batch : GA060114FIL Reviewed On : 05/12/23 12:41:24
Instrument Used : GA-Filth/Foreign Material Microscope Batch Date : 05/12/23 10:46:21
Analyzed Date : N/A

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	0.59	TESTED	

Analyzed by: 3655, 2338, 3303 Weight: 1.1572g Extraction date: 05/13/23 14:39:22 Extracted by: 3655

Analysis Method : SOP.T.40.019
Analytical Batch : GA060122WAT Reviewed On : 05/15/23 10:15:43
Instrument Used : GA-085 Rotronic HygroPalm Batch Date : 05/12/23 11:30:29
Analyzed Date : 05/13/23 14:56:32

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.