



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample:GA30510001-001

Harvest/Lot ID: NWFC102-2305-20617

Batch#: GG4-47G-030523

Cultivation Facility: Gainesville Cultivation

Processing Facility : Gainesville Processing

Source Facility : Gainesville Cultivation

Seed to Sale# NWFC102-2305-20617

Batch Date: 05/03/23

Sample Size Received: 64.5 gram

Total Amount: 992 units

Retail Product Size: 13.26 gram

Ordered: 05/10/23

Sampled: 05/10/23

Completed: 05/12/23

Sampling Method: SOP.T.20.010

May 12, 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

**6.492%**

Total THC/Container : 860.839 mg



Total CBD

**0.02%**

Total CBD/Container : 2.652 mg



Total Cannabinoids

**6.803%**

Total Cannabinoids/Container : 902.078 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	6.492	ND	0.02	ND	ND	0.151	ND	0.071	0.04	ND	0.029
mg/unit	860.839	ND	2.652	ND	ND	20.022	ND	9.414	5.304	ND	3.845
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:  
3600, 2507, 3192

Weight:  
1.766g

Extraction date:  
05/10/23 14:14:42

Extracted by:  
3600

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

Analytical Batch : GA059946POT

Instrument Used : GA-HPLC-001 2030C Plus (Infused)

Analyzed Date : 05/10/23 19:11:18

Reviewed On : N/A

Batch Date : 05/09/23 11:33:34

Dilution : 400

Reagent : 010421.44; 062022.14; 071522.04; 030823.07; 041423.R19; 032823.R09

Consumables : 212823; 947.109; 21/05/14; 9291.271; LLS-00-0005; 12558-231CD-231C; R0NB32898; 000000146137; 031C4 - 031 J; 212516; 0000185478

Pipette : GA-010; GA-146; GA-182; GA-169 (Dispenser); GA-196; 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  
05/12/23



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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 : GA30510001-001

Harvest/Lot ID: NWFC102-2305-20617

Batch# : GG4-47G-030523

Sampled : 05/10/23

Ordered : 05/10/23


Sample Size Received : 64.5 gram

Total Amount : 992 units

Completed : 05/12/23 Expires: 05/12/24

Sample Method : SOP.T.20.010

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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	0.401	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	0.401
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
CLOFENTZINE	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, 3303, 3192Weight: 0.5903gExtraction date: 05/10/23 20:37:30Extracted 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 :DA060028PESReviewed On :05/12/23 08:46:28					
DIMETHOATE	0.01	ppm	0.1	PASS	ND	Instrument Used :DA-LCMS-004 (PES)Batch Date :05/10/23 20:33:05					
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 : 050823.R10; 050923.R04; 051023.R18; 051023.R47; 042623.R45; 051023.R16; 040521.11					
FENHEXAMID	0.01	ppm	3	PASS	ND	Consumables : 6697075-02					
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, 3303, 3192Weight: 1.1652gExtraction date: 05/10/23 18:01:49Extracted by: 3575,3655					
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 10:15:14					
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  
 05/12/23



# 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 : GA30510001-001

Harvest/Lot ID: NWFC102-2305-20617

Batch# : GG4-47G-030523

Sampled : 05/10/23

Ordered : 05/10/23

Sample Size Received : 64.5 gram

Total Amount : 992 units

Completed : 05/12/23 Expires: 05/12/24

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, 3303, 2338, 3192

 Weight:  
 0.025g

 Extraction date:  
 05/10/23 16:47:11

 Extracted by:  
 2155

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA060022SOL

Instrument Used : GA-GCMS-001 Headspace Solvent

Analyzed Date : 05/10/23 17:00:56

Reviewed On : 05/12/23 10:19:48

Batch Date : 05/10/23 14:57:44

Dilution : N/A

Reagent : 010421.47

Consumables : R2017.167; 854996

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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Batch# : GG4-47G-030523

Sampled : 05/10/23

Ordered : 05/10/23

Sample Size Received : 64.5 gram

Total Amount : 992 units

Completed : 05/12/23 Expires: 05/12/24

Sample Method : SOP.T.20.010

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	<b>Microbial</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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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							
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000	Analyzed by: 795, 3303, 3192	Weight: 0.5903g	Extraction date: 05/10/23 20:37:30		Extracted by: 795	
Analyzed by: 3721, 3303, 3192	Weight: 1.2g	Extraction date: 05/10/23 14:21:39		Extracted by: 3793		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)					
Analysis Method : SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL			Reviewed On : 05/12/23 15:23:02			Analytical Batch : DA060029MYC			Reviewed On : 05/12/23 08:50:08		
Analytical Batch : GA060007MIC			Batch Date : 05/10/23 11:00:53			Instrument Used : DA-LCMS-004 (MYC)			Batch Date : 05/10/23 20:34:47		
Instrument Used : GA-200 Bacterial / GA-102 Fungal Incubators						Analyzed Date : N/A					
Analyzed Date : 05/11/23 09:46:07						Dilution : 250					
Dilution : 10						Reagent : 050823.R10; 050923.R04; 051023.R18; 051023.R47; 042623.R45; 051023.R16; 040521.11					
Reagent : 092022.51						Consumables : 6697075-02					
Consumables : GA-186; 010205; 262202; 013209; 007109; P-21557211R						Pipette : DA-093; DA-094; DA-219					
Pipette : GA-154						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					

Analyzed by: 3721, 3303, 3192 Weight: 1.2g Extraction date: 05/10/23 14:21:39 Extracted by: 3793 Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL Analytical Batch : GA060008TYM Instrument Used : GA-102 Fungal Incubator (TYM) Analyzed Date : 05/11/23 09:39:25 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.	Analyzed by: 3721, 3303, 3192 Weight: 0.5903g Extraction date: 05/11/23 09:05:36 Extracted by: 3571,3721 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 Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					Reviewed On : 05/12/23 08:48:06 Batch Date : 05/09/23 18:32:46
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<div><div></div><div>Hg</div><div></div></div>	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: 3721, 2507, 3303, 3192	Weight: 0.2539g	Extraction date: 05/11/23 09:05:36		Extracted by: 3571,3721	
Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL					
Analytical Batch : GA059963HEA			Reviewed On : 05/12/23 08:48:06		
Instrument Used : GA-ICPMS-002			Batch Date : 05/09/23 18:32:46		
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					
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

Sativa 30mg Capsules, 30 ct

N/A

Matrix : Derivative  
usable products)



Type: Products for oral administration (pills, capsules, tinctures, and similar

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Sample Method : SOP.T.20.010

Page 5 of 5



**Filtration/Foreign  
Material**

**PASSED**

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

Analyzed by: 3600, 3575, 3192	Weight: 73.0247g	Extraction date: 05/10/23 12:24:28	Extracted by: 3600
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Analysis Method : SOP.T.40.090

Analytical Batch : GA060010FIL

Instrument Used : GA-Filtration/Foreign Material Microscope

Analyzed Date : N/A

Reviewed On : 05/10/23 12:45:19

Batch Date : 05/10/23 11:15:00

Dilution : N/A

Reagent : N/A

Consumables : N/A

Pipette : N/A

Filtration 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	0.511	TESTED	

Analyzed by: 3655, 3575, 3192	Weight: 0.5878g	Extraction date: 05/10/23 14:39:17	Extracted by: 3655
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Analysis Method : SOP.T.40.019

Analytical Batch : GA060019WAT

Instrument Used : GA-085 Rotronic HygroPalm

Analyzed Date : 05/10/23 14:52:33

Reviewed On : 05/10/23 17:30:50

Batch Date : 05/10/23 12:13:33

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

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

Signature  
05/12/23