



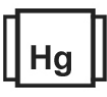










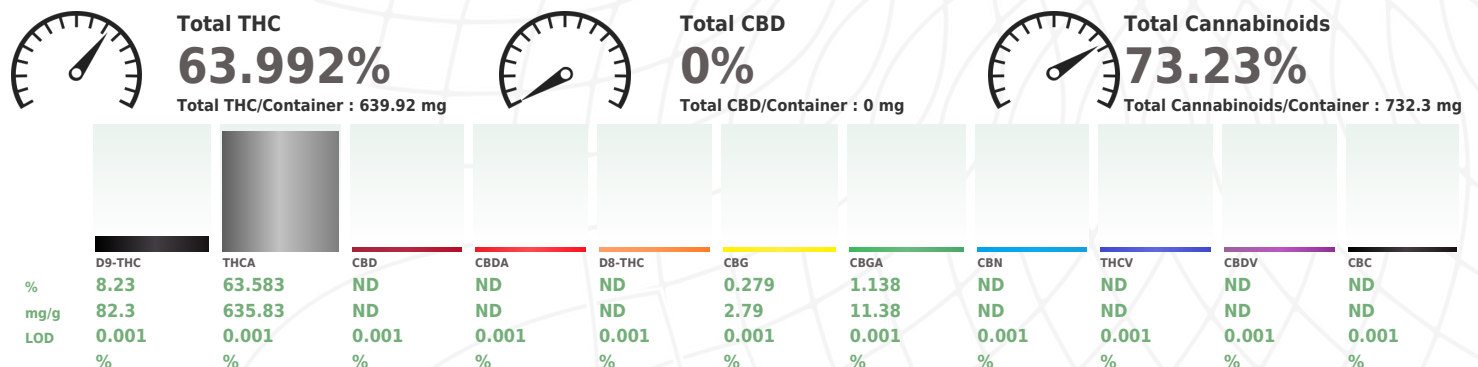
# Certificate of Analysis

**Sample:GA20624001-014**
**Harvest/Lot ID: ORFCC164-2206-10348**
**Batch#: DSRT-3D-050922-3**
**Cultivation Facility: Gainesville Cultivation**
**Processing Facility : Gainesville Processing**
**Seed to Sale# ORFCC164-2206-10348**
**Batch Date: 06/20/22**
**Sample Size Received: 16 gram**
**Total Batch Size: 191 gram**
**Retail Product Size: 1 gram**
**Ordered : 06/24/22**
**Sampled : 06/24/22**
**Completed: 06/27/22**
**Sampling Method: SOP.T.20.010.FL**
**PASSED**

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Jun 27, 2022 | Liberty Health Sciences, FL  
18770 N CR 225  
Gainesville, FL, 32609, US


PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 <b>Pesticides PASSED</b>	 <b>Heavy Metals PASSED</b>	 <b>Microbials PASSED</b>	 <b>Mycotoxins PASSED</b>	 <b>Residuals Solvents PASSED</b>	 <b>Filtration PASSED</b>	 <b>Water Activity PASSED</b>	 <b>Moisture NOT TESTED</b>	 <b>Terpenes TESTED</b>
 <b>Cannabinoid</b>									<b>PASSED</b>


Analyzed by:  
3404, 3134, 3571, 2507, 3303

Weight:  
0.0946g

Extraction date:  
06/24/22 15:43:14

Extracted by:  
3134

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

Analytical Batch : GA045928POT

Instrument Used : GA-HPLC-002 2040C

Running on : 06/25/22 10:52:55

Reviewed On : 06/25/22 11:52:05

Batch Date : 06/24/22 12:55:49

Dilution : 400

Reagent : 020322.R09; 010421.48; 060922.11; 060422.R40; 060822.R51

Consumables : GA-169; 947.271; H20364; 9291.271; LLS-00-0005; 7711028; R0NB32898; 000000146137; 944C4 944J; 210268; 206639

Pipette : GA-004; GA-011; GA-146

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



# Certificate of Analysis

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Gainesville, FL, 32609, US

Telephone: (833) 254-4877

Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20624001-014

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Sample Method : SOP.T.20.010

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## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
CAMPHENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	1.08	0.108		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND		ALPHA-HUMULENE	0.007	9.93	0.993	
OCIMENE	0.007	0.29	0.029		TRANS-NEROLIDOL	0.007	1.51	0.151	
EUCALYPTOL	0.007	<0.2	<0.02		GUAJOL	0.007	0.28	0.028	
LINALOOL	0.007	12.29	1.229		Analyzed by: 3404, 3303, 3575, 3209, 3205, 2338, 1541				
FENCHONE	0.007	ND	ND		Weight: Extraction date: Extracted by: 0.9612g06/24/22 16:59:333303				
ISOPULEGOL	0.007	ND	ND		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL				
ISOBORNEOL	0.007	ND	ND		Analytical Batch : GA045927TER				
HEXAHYDROTHYMOL	0.007	ND	ND		Instrument Used : GA-GCMS-002 QP2010S				
NEROL	0.007	ND	ND		Running on : 06/25/22 10:21:45				
GERANYL ACETATE	0.007	ND	ND		Dilution : 50				
BETA-CARYOPHYLLENE	0.007	34.23	3.423		Reagent : 060922.R22; 050322.49; 010421.48				
VALENCENE	0.007	ND	ND		Consumables : 947.271; H20364; 9291.271; 210419634; 000000146137; 210268; 944C4 944j; 209598				
CIS-NEROLIDOL	0.007	ND	ND		Pipette : DA-146; DA-211; GA-151; GA-182				
CEDROL	0.007	ND	ND		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.				
FARNESENE	0	2.18	0.218						
CARYOPHYLLENE OXIDE	0.007	0.83	0.083						
ALPHA-BISABOLOL	0.007	3.55	0.355						
ALPHA-PINENE	0.007	ND	ND						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	ND	ND						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	2.39	0.239						
GAMMA-TERPINENE	0.007	ND	ND						
TERPINOLENE	0.007	0.67	0.067						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	2.26	0.226						
CAMPHOR	0.013	ND	ND						
BORNEOL	0.013	<0.4	<0.04						
Total (%)			7.302						



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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	0.1	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	0.5	PASS	ND
ACEQUINOCYL	0.01	ppm	0.1	PASS	ND	PYRIDABEN	0.01	ppm	0.2	PASS	ND
ACETAMIPRID	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	0.1	PASS	ND
AZOXYSTROBIN	0.01	ppm	0.1	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.1	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	PPM	0.1	PASS	ND	THIAMETHOXAM	0.01	ppm	0.5	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.15	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	1	PASS	ND	CAPTAN *	0.07	PPM	0.7	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
CLOFENTEZINE	0.01	ppm	0.2	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	0.5	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.05	PPM	0.5	PASS	ND
DIAZINON	0.01	ppm	0.1	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
DIMETHOATE	0.01	ppm	0.1	PASS	ND	3404, 3134, 2338, 1541	1.0684g	06/24/22 17:08:03	3134		
ETHOPROPHOS	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					
ETOFENPROX	0.01	ppm	0.1	PASS	ND	Analytical Batch :GA045931PES		Reviewed On :06/26/22 18:12:15			
ETOXAZOLE	0.01	ppm	0.1	PASS	ND	Instrument Used :GA-LCMS-001 PES		Batch Date :06/24/22 12:57:06			
FENHEXAMID	0.01	ppm	0.1	PASS	ND	Running on :06/25/22 10:41:10					
FENOXYCARB	0.01	ppm	0.1	PASS	ND	Dilution : 10					
FENPYROXIMATE	0.01	ppm	0.1	PASS	ND	Reagent : 060422.R38; 060422.R36; 061222.R01; 011122.06					
FIPRONIL	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 41064115C4115B; 209598; 206639					
FLONICAMID	0.01	ppm	0.1	PASS	ND	Pipette : GA-002; GA-005; GA-013; GA-210 Dispenser					
FLUDIOXONIL	0.01	ppm	0.1	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.					
HEXYTHIAZOX	0.01	ppm	0.1	PASS	ND	Analyzed by:	Weight:	Extraction date:	Extracted by:		
IMAZALIL	0.01	ppm	0.1	PASS	ND	NA	NA	NA	NA		
IMIDACLOPRID	0.01	ppm	0.4	PASS	ND	Analysis Method :SOP.T.30.060, SOP.T.40.060					
KRESOXIM-METHYL	0.01	ppm	0.1	PASS	ND	Analytical Batch :GA045948VOL		Reviewed On :06/26/22 13:05:02			
MALATHION	0.01	ppm	0.2	PASS	ND	Instrument Used :GA-GCMS-006		Batch Date :06/24/22 18:27:09			
METALAXYL	0.01	ppm	0.1	PASS	ND	Running on :06/25/22 11:04:48					
METHIOCARB	0.01	ppm	0.1	PASS	ND	Dilution : 100					
METHOMYL	0.01	ppm	0.1	PASS	ND	Reagent : 061222.R01; 011122.06; 061522.R52					
MEVINPHOS	0.01	ppm	0.1	PASS	ND	Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 41064115C4115B; 209598; 206639; 15024701					
MYCLOBUTANIL	0.01	ppm	0.1	PASS	ND	Pipette : GA-002; GA-005; GA-013; GA-210 Dispenser					
NALED	0.01	ppm	0.25	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.					
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PHOSMET	0.01	ppm	0.1	PASS	ND						
PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND						
PRALLETHRIN	0.01	ppm	0.1	PASS	ND						
PROPICONAZOLE	0.01	ppm	0.1	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 : GA20624001-014

Harvest/Lot ID: ORFCC164-2206-10348

Batch# : DSRT-3D-050922-3

Sampled : 06/24/22

Ordered : 06/24/22

Sample Size Received : 16 gram

Total Batch Size : 191 gram

Completed : 06/27/22 Expires: 06/27/23

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	PASS	ND
ETHANOL	500	ppm	5000	PASS	<2500
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	<200
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	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 : GA045934SOL

Instrument Used : GA-GCMS-004 QP2020NX

Running on : 06/24/22 16:48:30

Reviewed On : 06/25/22 14:02:05

Batch Date : 06/24/22 13:13:50

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.



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
**PASSED**

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<div></div> <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			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: 3404, 3134, 2338, 1541	Weight: 1.0684g	Extraction date: 06/24/22 17:08:03	Extracted by: 3134		
Analyzed by: 3404, 1790, 3574, 2821, 1541						Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL					
Weight: 0.93g						Analytical Batch : GA045949MYC					
Extraction date: 06/24/22 18:13:34						Instrument Used : GA-LCMS-001 MYC					
Extracted by: 1790						Running on : 06/25/22 10:41:49					
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						Dilution :					
Analytical Batch : GA045929MIC						Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2					
Instrument Used : GA-TYM-001 Tempo Filler and Reader						Consumables : 0.02; 0.02; 0.02; 0.02					
Running on : 06/24/22 18:15:12						Pipette :					
Dilution : 90						Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					
Reagent : 052622.09											
Consumables : 2303260; 2303190; 2304090; 2304090; GA-185; GA-213; 61630-123C6-123E											
Pipette : GA-154											
Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39..											
Analyzed by: NA						<div></div> <div>Heavy Metals</div> <div>PASSED</div>					
Weight: NA						Metal					
Extraction date: NA						LOD					
Extracted by: NA						Units					
Analysis Method : SOP.T.40.041						Result					
Analytical Batch : GA045930TYM						Pass / Fail					
Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader						Action Level					
Running on : 06/24/22 18:27:15						ARSENIC					
Dilution : 90						0.02 PPM ND PASS 0.2					
Reagent : 052622.09						CADMIUM					
Consumables : 2304090; 2304090; GA-185; GA-213; 61630-123C6-123E						0.02 PPM ND PASS 0.2					
Pipette : GA-154						MERCURY					
Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.						LEAD					
						0.05 PPM ND PASS 0.5					
						Analyzed by: 3404, 3317, 3209, 2338, 1541					
						Weight: 0.5376g					
						Extraction date: 06/25/22 15:12:38					
						Extracted by: 3209					
						Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL					
						Analytical Batch : GA045933HEA					
						Reviewed On : 06/26/22 17:33:31					
						Instrument Used : GA-ICPMS-002					
						Batch Date : 06/24/22 12:59:01					
						Running on : 06/26/22 08:54:56					
						Dilution : 100					
						Reagent : 041622.R02; 051622.R03; 041722.R01; 042022.R45; 061621.03; 052422.R35; 062222.R63					
						Consumables : L2019501; CGR0114; 12400-133CD-133C; 210268					
						Pipette : GA-012; GA-183; GA - 194; GA-195; GA-193					
						Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.					



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Page 6 of 6


**Filth/Foreign  
Material**
**PASSED**

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

Analyzed by: 3404, 3134, 3303	Weight: 16.5g	Extraction date: 06/24/22 12:34:33	Extracted by: 3134
----------------------------------	------------------	---------------------------------------	-----------------------

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

Analytical Batch : GA045923FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on :

Reviewed On : 06/24/22 12:51:43

Batch Date : 06/24/22 12:33:57

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	0.594	PASS	0.85

Analyzed by: 3404, 3575, 1541	Weight: 0.6159g	Extraction date: 06/25/22 09:06:04	Extracted by: 3575
----------------------------------	--------------------	---------------------------------------	-----------------------

Analysis Method : SOP.T.40.019

Analytical Batch : GA045932WAT

Instrument Used : GA-203 Rotronic HygroPalm

Running on :

Reviewed On : 06/25/22 10:27:08

Batch Date : 06/24/22 12:58:24

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.