



# Certificate of Analysis

**COMPLIANCE FOR RETAIL**

**Sample:** GA30515002-007  
**Harvest/Lot ID:** SOFS104-2305-20733  
**Batch#:** PT10-11-HH-010523  
**Cultivation Facility:** Gainesville Cultivation  
**Processing Facility :** Gainesville Processing  
**Source Facility :** Gainesville Cultivation  
**Seed to Sale#** SOFS104-2305-20733  
**Batch Date:** 05/10/23  
**Sample Size Received:** 16 gram  
**Total Amount:** 2089 units  
**Retail Product Size:** 1 gram  
**Ordered:** 05/15/23  
**Sampled:** 05/15/23  
**Completed:** 05/18/23  
**Sampling Method:** SOP.T.20.010

May 18, 2023 | Liberty Health Sciences,  
FL

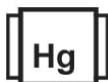
18770 N CR 225  
Gainesville, FL, 32609, US

**PASSED**

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**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  
**TESTED**
**MISC.**

**Cannabinoid**
**PASSED**

**Total THC**
**81.78%**

Total THC/Container : 817.8 mg


**Total CBD**
**0.211%**

Total CBD/Container : 2.11 mg


**Total Cannabinoids**
**86.094%**

Total Cannabinoids/Container : 860.94 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	81.78	ND	0.211	ND	ND	2.975	ND	0.67	0.458	ND	ND
mg/unit	817.8	ND	2.11	ND	ND	29.75	ND	6.7	4.58	ND	ND
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:  
3192, 2507, 3303

Weight:  
0.1024g

Extraction date:  
05/16/23 12:44:37

Extracted by:  
3571

**Analysis Method :** SOP.T.40.031, SOP.T.30.031  
**Analytical Batch :** GA060217POT  
**Instrument Used :** GA-HPLC-003 2030C PDA (Derivative)  
**Analyzed Date :** 05/16/23 16:31:32

**Reviewed On :** 05/17/23 17:05:21  
**Batch Date :** 05/15/23 13:06:51

**Dilution :** 400  
**Reagent :** 030323.R43; 010421.44; 030823.04; 041423.R20; 050423.R29  
**Consumables :** 927.100; 9291.100; 12532-225CD-225C; GA-169; 21/05/14; LLS-00-0005; R0NB32898; 46610-762A; 944C4 944; 209598; 206639  
**Pipette :** GA-002; GA-003; GA-004; GA-013

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 PJLA-  
 Testing 97164

  
 Signature  
 05/18/23



# 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 : GA30515002-007  
 Harvest/Lot ID: SOFS104-2305-20733

 Batch# : PT10-11-HH-010523 Sample Size Received : 16 gram  
 Sampled : 05/15/23 Total Amount : 2089 units  
 Ordered : 05/15/23 Completed : 05/18/23 Expires: 05/18/24  
 Sample Method : SOP.T.20.010

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# Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	36.16	3.616		FARNESENE	0.001	ND	ND	
TOTAL TERPINEOL	0.007	0.74	0.074		ALPHA-HUMULENE	0.007	2.07	0.207	
ALPHA-BISABOLOL	0.007	<1	<0.1		VALENCENE	0.007	ND	ND	
ALPHA-PINENE	0.007	2.2	0.22		CIS-NEROLIDOL	0.007	ND	ND	
CAMPHENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	<1	<0.1	
SABINENE	0.007	ND	ND		CARYOPHYLLENE OXIDE	0.007	<1	<0.1	
BETA-PINENE	0.007	1.35	0.135		GUAIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	5.84	0.584		CEDROL	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	<1	<0.1		Analyzed by:	Weight:	Extraction date:	Extracted by:	
3-CARENE	0.007	ND	ND		3317, 2155, 3303, 3192	0.928g	05/15/23 15:04:03	3571	
ALPHA-TERPINENE	0.007	ND	ND		Analysis Method :	SOP.T.30.061A.FL, SOP.T.40.061A.FL			
LIMONENE	0.007	9.08	0.908		Analytical Batch :	GA060220TER			
EUCALYPTOL	0.007	ND	ND		Instrument Used :	GA-GCMS-005 QP2020NX (Derivative)			
OCIMENE	0.007	ND	ND		Analyzed Date :	05/15/23 17:29:42			
GAMMA-TERPINENE	0.007	ND	ND		Dilution :	50			
SABINENE HYDRATE	0.007	ND	ND		Reagent :	021123.R06; 032223.04; 010421.44			
TERPINOLENE	0.007	ND	ND		Consumables :	927.100; 9291.100; 21/05/14; LLS-00-0005; 210419634; RON832898; 000000146137; 6211125; 944C4 944; 209598; 206639			
FENCHONE	0.007	ND	ND		Pipette :	GA-002; GA-003; GA-004; GA-013			
LINALOOL	0.007	4.26	0.426		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
FENCHYL ALCOHOL	0.007	<1	<0.1						
ISOPULEGOL	0.007	ND	ND						
CAMPHOR	0.013	ND	ND						
ISOBORNEOL	0.007	ND	ND						
BORNEOL	0.013	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
PULEGONE	0.007	ND	ND						
GERANIOL	0.007	<1	<0.1						
GERANYL ACETATE	0.007	ND	ND						
ALPHA-CEDRENE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	10.62	1.062						
Total (%)			3.616						