



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

**Sample:** GA20719001-011  
**Harvest/Lot ID:** SOFS102-2207-11933  
**Batch#:** DF-PINA-2207-11793  
**Seed to Sale#** SOFS102-2207-11933  
**Batch Date:** 07/14/22  
**Sample Size Received:** 16 gram  
**Total Amount:** 1718 units  
**Retail Product Size:** 1  
**Ordered :** 07/19/22  
**Sampled :** 07/19/22  
**Completed:** 07/22/22  
**Sampling Method:** SOP.T.20.010

Jul 22, 2022 | Liberty Health Sciences, FL

18770 N CR 225  
Gainesville, FL, 32609, US



# PASSED

Pages 1 of 2

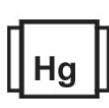
### PRODUCT IMAGE



### 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

**83.363%**

Total THC/Container : 833.63 mg



Total CBD

**0.207%**

Total CBD/Container : 2.07 mg



Total Cannabinoids

**86.462%**

Total Cannabinoids/Container : 864.62 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	83.363	ND	0.207	ND	ND	1.865	ND	0.224	0.429	ND	0.374
mg/unit	833.63	ND	2.07	ND	ND	18.65	ND	2.24	4.29	ND	3.74
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001
%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:  
 3404, 3192, 2507, 1541

Weight:  
 0.101g

Extraction date:  
 07/20/22 09:16:52

Extracted by:  
 3192

Analysis Method : SOP.T.40.031, SOP.T.30.031  
 Analytical Batch : GA047038POT  
 Instrument Used : GA-HPLC-001 2030C Plus  
 Analyzed Date : N/A

Reviewed On : 07/21/22 10:59:10  
 Batch Date : 07/18/22 17:12:56

Dilution : 400  
 Reagent : 020322.R09; 010421.48; 060922.09; 070222.R02; 070222.R08  
 Consumables : 947.109; H20364; 9291.271; LLS-00-0005; 12455-202CD-202C; R0NB32898; 000000146137; 944C4 944J; 210268; 212516  
 Pipette : GA-005; GA-146; GA-151; GA-150; GA-169 (Dispenser)

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection 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 : GA20719001-011  
 Harvest/Lot ID: SOFS102-2207-11933

 Batch# : DF-PINA-2207-11793 Sample Size Received : 16 gram  
 Sampled : 07/19/22 Total Amount : 1718 units  
 Ordered : 07/19/22 Completed : 07/22/22 Expires: 07/22/23  
 Sample Method : SOP.T.20.010

Page 2 of 2



# Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENES	0.007	47.08	4.708		CAMPHOR	0.013	ND	ND	
TOTAL TERPINEOL	0.007	<0.2	<0.02		BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	9.57	0.957		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	<0.2	<0.02	
ALPHA-PHELLANDRENE	0.007	0.65	0.065		ALPHA-HUMULENE	0.007	2.5	0.25	
OCIMENE	0.007	<0.2	<0.02		TRANS-NEROLIDOL	0.007	0.52	0.052	
EUCALYPTOL	0.007	ND	ND		GUAIOL	0.007	ND	ND	
LINALOOL	0.007	0.61	0.061		<div>Analyzed by: 3404, 3655, 3205, 3303, 2155Weight: 0.8913gExtraction date: 07/19/22 14:58:38Extracted by: 3655</div>				
FENCHONE	0.007	ND	ND		<div>Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FLAnalytical Batch : GA047040TERReviewed On : 07/20/22 12:28:53</div>				
ISOPULEGOL	0.007	ND	ND		<div>Instrument Used : GA-GCMS-002 QP2010SBatch Date : 07/18/22 17:13:52</div>				
ISOBORNEOL	0.007	ND	ND		<div>Analyzed Date : 07/19/22 16:49:24</div>				
HEXAHYDROTHYMOL	0.007	<0.2	<0.02		<div>Dilution : 50</div>				
NEROL	0.007	ND	ND		<div>Reagent : 060922.R22; 050322.48; 010421.48</div>				
GERANYL ACETATE	0.007	ND	ND		<div>Consumables : 947.109; H20364; 9291.271; LLS-00-0005; 89012-780; RONB32898; 000000146137; 210268; 212516</div>				
BETA-CARYOPHYLLENE	0.007	5.52	0.552		<div>Pipette : GA-005; GA-011; GA-146; GA-151</div>				
VALENCENE	0.007	1.15	0.115		<div>Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.</div>				
CIS-NEROLIDOL	0.007	ND	ND						
CEDROL	0.007	ND	ND						
CARYOPHYLLENE OXIDE	0.007	ND	ND						
FARNESENE	0.007	ND	ND						
ALPHA-BISABOLOL	0.007	1.32	0.132						
ALPHA-PINENE	0.007	10.75	1.075						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	5.49	0.549						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	6.78	0.678						
GAMMA-TERPINENE	0.007	0.44	0.044						
TERPINOLENE	0.007	1.57	0.157						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	0.21	0.021						
Total (%)				4.708					