



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample:GA20628001-017  
Harvest/Lot ID: HVFV106-2206-10549  
Batch#: DF-LECO-2206-9742  
Seed to Sale# HVFV106-2206-10549  
Batch Date: 06/21/22  
Sample Size Received: 16 gram  
Total Amount: 2550 units  
Retail Product Size: 1  
Ordered : 06/28/22  
Sampled : 06/28/22  
Completed: 07/01/22  
Sampling Method: SOP.T.20.010

Jul 01, 2022 | Liberty Health Sciences, FL

18770 N CR 225  
Gainesville, FL, 32609, US



**PASSED**

Pages 1 of 2

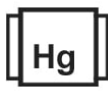
### PRODUCT IMAGE



### 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

**81.117%**

Total THC/Container : 811.17 mg



Total CBD

**0.202%**

Total CBD/Container : 2.02 mg



Total Cannabinoids

**86.367%**

Total Cannabinoids/Container : 863.67 mg

	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	81.117	ND	0.202	ND	ND	2.672	ND	0.593	0.767	ND	1.016
mg/unit	811.17	ND	2.02	ND	ND	26.72	ND	5.93	7.67	ND	10.16
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, 3575, 2507, 3303

Weight:  
0.1024g

Extraction date:  
06/29/22 11:18:17

Extracted by:  
3575

Analysis Method : SOP.T.40.031, SOP.T.30.031  
Analytical Batch : GA046054POT  
Instrument Used : GA-HPLC-001 2030C Plus  
Analysis Date : 06/29/22 13:50:25

Reviewed On : 06/30/22 11:01:55  
Batch Date : 06/28/22 09:22:38

Dilution : 400  
Reagent : 020322.R09; 010421.48; 062822.31; 061122.R33; 062122.R33  
Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 12455-202CD-202C; R0NB32898; 000000146137; 944C4 944J; 210268; 212938; 206639  
Pipette : GA-011; GA-146; GA-182

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  
07/01/22



# 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 : GA20628001-017  
 Harvest/Lot ID: HVFV106-2206-10549

 Batch# : DF-LECO-2206-9742 Sample Size Received : 16 gram  
 Total Amount : 2550 units  
 Sampled : 06/28/22 Completed : 07/01/22 Expires: 07/01/23  
 Ordered : 06/28/22 Sample Method : SOP.T.20.010

Page 2 of 2



## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
TOTAL TERPENEOL	0.007	0.59	0.059		BORNEOL	0.013	ND	ND	
CAMPENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	1.68	0.168		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	0.63	0.063		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	0.76	0.076		ALPHA-HUMULENE	0.007	2.23	0.223	
OCIMENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND		GUAJOL	0.007	ND	ND	
LINALOOL	0.007	0.73	0.073		Analyzed by: 3404, 3600, 3303, 2155 Weight: 1.0052g Extraction date: 06/28/22 18:05:47 Extracted by: 3600				
FENCHONE	0.007	ND	ND		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL Analytical Batch : GA0406997ER Instrument Used : GA-GCMS-002 QP2010S Analyzed Date : 06/29/22 16:19:54 Reviewed On : 06/30/22 12:28:55 Batch Date : 06/28/22 16:35:15				
ISOPULEGOL	0.007	ND	ND		Dilution : 50 Reagent : 060922.R22; 050322.49; 010421.48 Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 89012-780; RONB32898; 000000146137; 944C4 944; 210268; 206639 Pipette : GA-005; GA-149; GA-153; GA-150; GA-211 Dispenser				
ISOBORNEOL	0.007	ND	ND		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	11.37	1.137						
VALENCENE	0.007	0.67	0.067						
CIS-NEROLIDOL	0.007	ND	ND						
CEDROL	0.007	ND	ND						
FARNESENE	0.007	1.69	0.169						
CARYOPHYLLENE OXIDE	0.007	0.58	0.058						
ALPHA-BISABOLOL	0.007	1.03	0.103						
ALPHA-PINENE	0.007	0.87	0.087						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	1.49	0.149						
ALPHA-TERPINENE	0.007	0.35	0.035						
LIMONENE	0.007	2.16	0.216						
GAMMA-TERPINENE	0.007	<0.2	<0.02						
TERPINOLENE	0.007	13.85	1.385						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	0.57	0.057						
CAMPHOR	0.013	ND	ND						
Total (%)				4.125					