



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

**Sample:** GA10323002-012  
**Harvest/Lot ID:** PHFV109-210319-01  
**Batch#:** DF-OGKU-030421  
**Seed to Sale#** PHFV109-210319-01  
**Batch Date:** 03/19/21  
**Sample Size Received:** 15.5 gram  
**Total Amount:** 2029 units  
**Retail Product Size:** .5094  
**Ordered:** 03/23/21  
**Sampled:** 03/23/21  
**Completed:** 03/26/21  
**Sampling Method:** SOP.T.20.010

Mar 26, 2021 | Liberty Health Sciences, FL

18770 N CR 225  
Gainesville, FL, 32609, US

**PASSED**

Pages 1 of 2

**PRODUCT IMAGE**


Box

**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**
**0%**

/Container : 399.133 mg


**Total CBD**
**0%**

/Container : 2.145 mg


**Total Cannabinoids**
**0%**

Total Cannabinoids/Container : 422.174 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	1.363	0.421	0.957	1.603	78.353	0	0.177	0
mg/unit	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
LOD	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:  
2338

Weight:  
0.0999g

Extraction date:  
03/25/21 02:03:25

Extracted by:  
1791

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

Analytical Batch : GA024230POT

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

Analyzed Date : 03/26/21 10:07:26

Reviewed On : 03/26/21 14:18:04

Batch Date : 03/24/21 08:16:05

Dilution : 40

Reagent : 110520.05; 010421.50; 010621.10; 031921.R08; 031921.R19

Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; 190624060; VAV-09-1020 (947.077) / ALK-09-1412 (9291.179); 16466-042

Pipette : N/A

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 P/LA-  
Testing 97164

  
Signature  
03/26/21



# 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 : GA10323002-012  
Harvest/Lot ID: PHFV109-210319-01

Batch# : DF-OGKU-030421 Sample Size Received : 15.5 gram  
Sampled : 03/23/21 Total Amount : 2029 units  
Ordered : 03/23/21 Completed : 03/26/21 Expires: 03/26/22  
Sample Method : SOP.T.20.010

Page 2 of 2

Terpenes

TESTED

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPENE	0.007	0			TERPINEOL	0.007	1.044	0.205	
BETA-MYRCENE	0.007	0	0.913		GERANIOL	0.007	0.295	0.058	
ALPHA-PHELLANDRENE	0.007	0			PULEGONE	0.007	0.183	0.036	
3-CARENE	0.007	0			ALPHA-CEDRENE	0.007	0	0	
OCIMENE	0.007	0			ALPHA-HUMULENE	0.007	1.049	0.206	
EUCALYPTOL	0.007	0			TRANS-NEROLIDOL	0.007	0.229	0.045	
LINALOOL	0.007	0.383			GUAJOL	0.007	0	0	
FENCHONE	0.007	0			Analyzed by: 2155 Weight: 1.0195g Extraction date: 03/24/21 10:03:06 Extracted by: 2507				
ISOPULEGOL	0.007	0			Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL				
ISOBORNEOL	0.007	0.001			Analytical Batch : GA024212TER				
HEXAHYDROTHYMOL	0.007	0			Instrument Used : GA-GCMS-002 QP2010S				
NEROL	0.007	0			Analyzed Date : 03/25/21 16:29:14				
GERANYL ACETATE	0.007	0			Dilution : 10				
BETA-CARYOPHYLLENE	0.007	0.822			Reagent : 010421.40; 010421.50				
VALENCENE	0.007	0			Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; VAV-09-1020 (947.077) / ALK-09-1412 (9291.179); P734631 /				
CIS-NEROLIDOL	0.007	0			P7411895; 16466-042				
CARYOPHYLLENE OXIDE	0.007	0.065			Pipette : N/A				
CEDROL	0.007	0			Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
FARNESENE	0.007	0							
ALPHA-BISABOLOL	0.007	0							
ALPHA-PINENE	0.007	0.146							
SABINENE	0.007	0							
BETA-PINENE	0.007	0.209							
ALPHA-TERPINENE	0.007	0.015							
LIMONENE	0.007	1.367							
GAMMA-TERPINENE	0.007	0							
TERPINOLENE	0.007	0.038							
SABINENE HYDRATE	0.007	0							
FENCHYL ALCOHOL	0.007	0.148							
CAMPHOR	0.013	0							
BORNEOL	0.013	0							
Total (%)									