



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: GA10112003-004  
Harvest/Lot ID: PHFD102-201229-01  
Batch#: DF-GDP-112720  
Seed to Sale# PHFD102-201229-01  
Batch Date: 12/29/20  
Sample Size Received: 15.3 gram  
Total Amount: 4339 units  
Retail Product Size: .3397  
Ordered : 01/12/21  
Sampled : 01/12/21  
Completed: 05/21/21  
Sampling Method: SOP.T.20.010

**PASSED**

May 21, 2021 | Liberty Health Sciences,  
FL

18770 N CR 225  
Gainesville, FL, 32609, US



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PRODUCT IMAGE

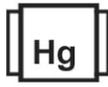


Box

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 : 274.443 mg



Total CBD

**0%**

/Container : 1.134 mg



Total Cannabinoids

**0%**

Total Cannabinoids/Container : 298.662 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
% mg/unit	0	0	0	3.543	0.333	0.8	0.617	80.234	0	1.757	0.633
LOD	0.001	0.001	0.001	0.001	%	0.001	0.001	%	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2338

Weight: 0.0971g

Extraction date: 01/13/21 06:01:06

Extracted by: 2103

Analysis Method : SOP.T.40.031, SOP.T.30.031  
Analytical Batch : GA021118POT  
Instrument Used : GA-HPLC-001 2030C Plus (Carl)  
Analyzed Date : 01/14/21 14:33:51

Reviewed On : 01/15/21 11:35:25  
Batch Date : 01/13/21 14:32:46

Dilution : 40  
Reagent : 010621.07; 110519.13; 011321.R14; 011221.R01  
Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; 190624060; 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

05/21/21

Signed On



# 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 : GA10112003-004  
Harvest/Lot ID: PHFD102-201229-01

Batch# : DF-GDP-112720    Sample Size Received : 15.3 gram  
Sampled : 01/12/21    Total Amount : 4339 units  
Ordered : 01/12/21    Completed : 05/21/21 Expires: 05/21/22  
Sample Method : SOP.T.20.010

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Terpenes				TESTED			
Terpenes	LOD (%)	mg/unit %	Result (%)	Terpenes	LOD (%)	mg/unit %	Result (%)
CAMPHENE	0.007	0		TERPINEOL	0.007	0	
BETA-MYRCENE	0.007	0.661		GERANIOL	0.007	0	
ALPHA-PHELLANDRENE	0.007	0		PULEGONE	0.007	0	
3-CARENE	0.007	0		ALPHA-CEDRENE	0.007	0	
OCIMENE	0.007	0		ALPHA-HUMULENE	0.007	3.594	1.058
EUCALYPTOL	0.007	0		TRANS-NEROLIDOL	0.007	0	
LINALOOL	0.007	2.189		GUAJOL	0.007	0	
FENCHONE	0.007	0					
ISOPULEGOL	0.007	0					
ISOBORNEOL	0.007	0					
HEXAHYDROTHYMOL	0.007	0					
NEROL	0.007	0					
GERANYL ACETATE	0.007	0					
BETA-CARYOPHYLLENE	0.007	0.978					
VALENCENE	0.007	0					
CIS-NEROLIDOL	0.007	0					
CARYOPHYLLENE OXIDE	0.007	0.03					
CEDROL	0.007	0					
FARNESENE	0.007	0					
ALPHA-BISABOLOL	0.007	0.028					
ALPHA-PINENE	0.007	0.114					
SABINENE	0.007	0					
BETA-PINENE	0.007	0.004					
ALPHA-TERPINENE	0.007	0					
LIMONENE	0.007	0.029					
GAMMA-TERPINENE	0.007	0					
TERPINOLENE	0.007	0.019					
SABINENE HYDRATE	0.007	0					
FENCHYL ALCOHOL	0.007	0					
CAMPHOR	0.013	0					
BORNEOL	0.013	0					
<b>Total (%)</b>							

Analyzed by: 2155    Weight: 1.0007g    Extraction date: 01/13/21 04:01:08    Extracted by: 1791  
 Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL  
 Analytical Batch : GA021116TER    Reviewed On : 01/15/21 13:46:01  
 Instrument Used : GA-GCMS-002 QP20105    Batch Date : 01/13/21 13:42:24  
 Analyzed Date : N/A  
 Dilution : 10  
 Reagent : 122320.03  
 Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; P734631 / P7411895; 16466-042  
 Pipette : N/A  
 Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.