



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: GA10223002-005  
Harvest/Lot ID: PHFD102-210210-01  
Batch#: DF-GDP-020221  
Cultivation Facility:  
Processing Facility:  
Distributor Facility:  
Source Facility:  
Seed to Sale# PHFD102-210210-01  
Batch Date: 02/10/21  
Sample Size Received: 15.25 gram  
Total Amount: 1891  
Retail Product Size: 0.3292 gram  
Ordered : 02/23/21  
Sampled : 02/23/21  
Completed: 02/26/21  
Sampling Method: SOP.T.20.010

Mar 01, 2021 | Liberty Health Sciences, FL  
18770 N CR 225  
Gainesville, FL, 32609, US



**PASSED**

Pages 1 of 2

PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides <b>PASSED</b>	 Heavy Metals <b>PASSED</b>	 Microbials <b>PASSED</b>	 Mycotoxins <b>PASSED</b>	 Residuals Solvents <b>PASSED</b>	 Filtration <b>PASSED</b>	 Water Activity <b>PASSED</b>	 Moisture <b>NOT TESTED</b>	 Terpenes <b>TESTED</b>

Box

	<b>Cannabinoid</b>	<b>PASSED</b>
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	<b>Total THC</b> <b>0%</b> /Container : 240.962 mg		<b>Total CBD</b> <b>0%</b> /Container : 0.971 mg		<b>Total Cannabinoids</b> <b>0%</b> Total Cannabinoids/Container : 255.374 mg
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	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
% mg/g	0	0	0	2.152	0.295	0.215	1.486	73.196	0	0.227	0
LOD	0.001	0.001	0.001	0.001		0.001	0.001		0.001	0.001	0.001
%		%	%	%	%	%	%	%	%	%	%

Analized by: 2338      Weight: 0.1142g      Extraction date: N/A      Extracted by: N/A

Analysis Method : SOP.T.40.031, SOP.T.30.031  
Analytical Batch : GA022932POT  
Instrument Used : GA-HPLC-001 2030C Plus (Carl)  
Running on : 02/25/21 09:38:39

Reviewed On : 02/25/21 11:35:56  
Batch Date : 02/24/21 09:10:32

Dilution : 40  
Reagent : 022321.R02; 021521.R20; 010621.13  
Consumables : 280650306; 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



Signature

02/26/21

Signed On

State License # CMTL-0001  
ISO 17025 Accreditation # ISO/IEC  
17025:2017 Accreditation P/LA-  
Testing 97164



# 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 : GA10223002-005  
Harvest/Lot ID: PHFD102-210210-01

Batch# : DF-GDP-020221 Sample Size Received : 15.25 gram  
Sampled : 02/23/21 Total Amount : 1891  
Ordered : 02/23/21 Completed : 02/26/21 Expires: 02/26/22  
Sample Method : SOP.T.20.010

Page 2 of 2



## Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
CAMPHENE	0.007	0			TERPINEOL	0.007	0	0	
BETA-MYRCENE	0.007	0.587			GERANIOL	0.007	0	0	
ALPHA-PHELLANDRENE	0.007	0			PULEGONE	0.007	0	0	
3-CARENE	0.007	0			ALPHA-CEDRENE	0.007	0	0	
OCIMENE	0.007	0			ALPHA-HUMULENE	0.007	11.59	1.159	
EUCALYPTOL	0.007	0			TRANS-NEROLIDOL	0.007	0	0	
LINALOOL	0.007	2.068			GUAJOL	0.007	0	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	1.016							
VALENCENE	0.007	0							
CIS-NEROLIDOL	0.007	0							
CARYOPHYLLENE OXIDE	0.007	0.005							
CEDROL	0.007	0							
FARNESENE	0.007	0							
ALPHA-BISABOLOL	0.007	0.041							
ALPHA-PINENE	0.007	0.086							
SABINENE	0.007	0							
BETA-PINENE	0.007	0							
ALPHA-TERPINENE	0.007	0							
LIMONENE	0.007	0							
GAMMA-TERPINENE	0.007	0							
TERPINOLENE	0.007	0							
SABINENE HYDRATE	0.007	0							
FENCHYL ALCOHOL	0.007	0							
CAMPHOR	0.013	0							
BORNEOL	0.013	0							
<b>Total (%)</b>					<b>1.159</b>				

Terpenes	LOD (%)	mg/g	%	Result (%)
TERPINEOL	0.007	0	0	
GERANIOL	0.007	0	0	
PULEGONE	0.007	0	0	
ALPHA-CEDRENE	0.007	0	0	
ALPHA-HUMULENE	0.007	11.59	1.159	
TRANS-NEROLIDOL	0.007	0	0	
GUAJOL	0.007	0	0	

Analyzed by: 2155 Weight: 1.0214g Extraction date: N/A Extracted by: N/A  
 Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL  
 Analytical Batch : GA022969TER Reviewed On : 02/25/21 16:07:24  
 Instrument Used : GA-GCMS-002 QP2010S Batch Date : 02/24/21 12:04:45  
 Running on : 02/25/21 09:46:56

Dilution : 10  
 Reagent : 060920.20  
 Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; VAV-09-1020 (947.077) / ALK-09-1412 (9291.179); 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.