



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: GA10730002-006  
Harvest/Lot ID: PHFV102-210723-01  
Batch#: DF-GDP-071621  
Seed to Sale# PHFV102-210723-01  
Batch Date: 07/23/21  
Sample Size Received: 15.5 gram  
Total Amount: 3407 gram  
Retail Product Size: 0.5  
Ordered: 07/30/21  
Sampled: 07/30/21  
Completed: 08/04/21  
Sampling Method: SOP.T.20.010

**PASSED**

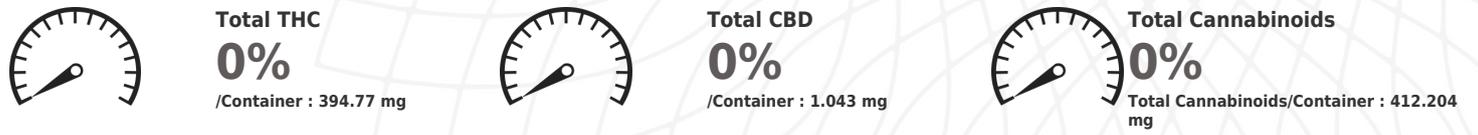
Aug 04, 2021 | Liberty Health Sciences, FL  
18770 N CR 225  
Gainesville, FL, 32609, US



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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	Cannabinoid	<b>PASSED</b>
		



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	1.996	0.208	0.309	0.597	78.954	0	0.375	0
mg/g	0.001	0.001	0.001	0.001		0.001	0.001		0.001	0.001	0.001
LOD	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 2338      Weight: 0.102g      Extraction date: 07/30/21 03:07:07      Extracted by: 2206  
 Analysis Method : SOP.T.40.031, SOP.T.30.031  
 Analytical Batch : GA029307POT      Reviewed On : 08/02/21 18:06:45  
 Instrument Used : GA-HPLC-001 2030C Plus      Batch Date : 07/30/21 09:22:02  
 Analyzed Date : 07/30/21 16:59:45  
 Dilution : 40  
 Reagent : 060220.R16; 010421.50; 070821.06; 072621.R34; 072721.R45  
 Consumables : 947.217; 470228-424; 9291.271; 200111; 12035-035CD-035C; R0N832898; 00299409  
 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  
08/04/21



# 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 : GA10730002-006  
Harvest/Lot ID: PHFV102-210723-01

Batch# : DF-GDP-071621    Sample Size Received : 15.5 gram  
Sampled : 07/30/21    Total Amount : 3407 gram  
Ordered : 07/30/21    Completed : 08/04/21 Expires: 08/04/22  
Sample Method : SOP.T.20.010

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## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPENEOL	0.007	0			BORNEOL	0.013	0	0	
CAMPHENE	0.007	0			GERANIOL	0.007	0	0	
BETA-MYRCENE	0.007	0.742			PULEGONE	0.007	0	0	
ALPHA-PHELLANDRENE	0.007	0			ALPHA-CEDRENE	0.007	0	0	
3-CARENE	0.007	0			ALPHA-HUMULENE	0.007	10.24	1.024	
OCIMENE	0.007	0			TRANS-NEROLIDOL	0.007	0	0	
EUCALYPTOL	0.007	0			GUAJOL	0.007	0	0	
LINALOOL	0.007	2.014							
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	1.269							
VALENCENE	0.007	0							
CIS-NEROLIDOL	0.007	0							
CARYOPHYLLENE OXIDE	0.007	0.046							
CEDROL	0.007	0							
FARNESENE	0.007	0							
ALPHA-BISABOLOL	0.007	0							
ALPHA-PINENE	0.007	0.093							
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							
Total (%)									

Terpenes	LOD (%)	mg/g	%	Result (%)
BORNEOL	0.013	0	0	
GERANIOL	0.007	0	0	
PULEGONE	0.007	0	0	
ALPHA-CEDRENE	0.007	0	0	
ALPHA-HUMULENE	0.007	10.24	1.024	
TRANS-NEROLIDOL	0.007	0	0	
GUAJOL	0.007	0	0	

Analyzed by: 2155    Weight: 1.0139g    Extraction date: 07/30/21 12:07:36    Extracted by: 2820

Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL  
Analytical Batch : GA029309TER    Reviewed On : 08/02/21 18:40:15  
Instrument Used : GA-GCMS-002 QP2010S    Batch Date : 07/30/21 09:22:46  
Analysis Date : 07/30/21 14:35:43

Dilution : 10  
Reagent : 042921.R11; 122320.04; 010421.50  
Consumables : 282066106; 947.217; 470228-424; 9291.271; 200111; 190611634; 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.