



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: GA01130006-002
Harvest/Lot ID: PHFV121-201119-01
Batch#: DF-FFRU-110220
Seed to Sale#: PHFV121-201119-01
Batch Date: 11/19/20
Sample Size Received: 15 gram
Total Amount: 1346 units
Retail Product Size: .5431 gram
Ordered : 11/30/20
Sampled : 11/30/20
Completed: 09/02/21
Sampling Method: SOP.T.20.010

Sep 02, 2021 | Liberty Health Sciences, FL
 18770 N CR 225
 Gainesville, FL, 32609, US



PASSED

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PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtth PASSED	 Water Activity PASSED	 Moisture NOT TESTED	 Terpenes TESTED

	Cannabinoid	PASSED
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	Total THC 0% /Container : 403.635 mg		Total CBD 0% CBD/Container : 1.806 mg		Total Cannabinoids 0% Total Cannabinoids/Container : 438.772 mg
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	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	4.925	0.332	0.7	0.51	74.32	0	0	0
mg/unit											
LOD	0.001	0.001	0.001	0.001		0.001	0.001		0.001	0.001	0.001
%											

Analyzed by: 508 Weight: 0.1054g Extraction date: 12/01/20 01:12:58 Extracted by: 1791
 Analysis Method : SOP.T.40.031, SOP.T.30.031
 Analytical Batch : GA019345POT
 Instrument Used : GA-HPLC-001 2030C Plus
 Analyzed Date : 12/01/20 16:40:11
 Reviewed On : 12/03/20 15:04:27
 Batch Date : 12/01/20 08:00:02

Dilution : 40
 Reagent : 110320.46; 110519.12; 110420.R01; 112820.R03
 Consumables : 280630187; 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

09/02/21
 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 : GA01130006-002
Harvest/Lot ID: PHFV121-201119-01

Batch# : DF-FFRU-110220 Sample Size Received : 15 gram
Sampled : 11/30/20 Total Amount : 1346 units
Ordered : 11/30/20 Completed : 09/02/21 Expires: 09/02/22
Sample Method : SOP.T.20.010

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Terpenes				Terpenes			
Terpenes	LOD (%)	mg/unit %	Result (%)	Terpenes	LOD (%)	mg/unit %	Result (%)
TOTAL TERPINEOL	0.007	0		BORNEOL	0.013	0	
CAMPENE	0.007	0		GERANIOL	0.007	0.72	0.072
BETA-MYRCENE	0.007	1.999		PULEGONE	0.007	0	0
ALPHA-PHELLANDRENE	0.007	0		ALPHA-CEDRENE	0.007	0	0
3-CARENE	0.007	0.024		ALPHA-HUMULENE	0.007	4.32	0.432
OCIMENE	0.007	0		TRANS-NEROLIDOL	0.007	1.87	0.187
EUCALYPTOL	0.007	0		GUAJOL	0.007	0	0
LINALOOL	0.007	0.964					
FENCHONE	0.007	0		Analyzed by: 2155 Weight: 1.0007g Extraction date: 12/01/20 01:12:06 Extracted by: 1791 Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL Analytical Batch : GA019343TER Reviewed On : 12/02/20 10:53:08 Instrument Used : GA-GCMS-002 QP20105 Batch Date : 12/01/20 07:57:14 Analyzed Date : 12/02/20 09:43:09 Dilution : 10 Reagent : 042920.01 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.			
ISOBORNEOL	0.007	0					
HEXAHYDROTHYMOL	0.007	0					
NEROL	0.007	0					
GERANYL ACETATE	0.007	0					
BETA-CARYOPHYLLENE	0.007	1.726					
VALENCENE	0.007	0.074					
CIS-NEROLIDOL	0.007	0					
CARYOPHYLLENE OXIDE	0.007	0					
CEDROL	0.007	0					
FARNESENE	0.007	0					
ALPHA-BISABOLOL	0.007	0.072					
ALPHA-PINENE	0.007	0.019					
SABINENE	0.007	0					
BETA-PINENE	0.007	0.038					
ALPHA-TERPINENE	0.007	0					
LIMONENE	0.007	0.998					
GAMMA-TERPINENE	0.007	0					
TERPINOLENE	0.007	0					
SABINENE HYDRATE	0.007	0					
FENCHYL ALCOHOL	0.007	0.011					
CAMPHOR	0.013	0					
Total (%)				Total (%)			