



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

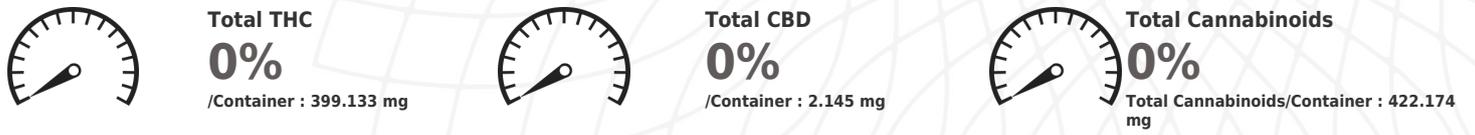


PASSED

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

Cannabinoid	PASSED
	



	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 Reviewed On : 03/26/21 14:18:04
 Analytical Batch : GA024230POT Batch Date : 03/24/21 08:16:05
 Instrument Used : GA-HPLC-001 2030C Plus (Carl) Dilution : 40
 Analyzed Date : 03/26/21 10:07:26 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

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Terpenes				TESTED					
Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPHENE	0.007	0			TERPINEOL	0.007	1.044	0.205	
BETA-MYRCENE	0.007	0.913			GERANIOL	0.007	0.295	0.058	
ALPHA-PHELLANDRENE	0.007	0			PULEGIONE	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							
ISOPULEGOL	0.007	0							
ISOBORNEOL	0.007	0.001							
HEXAHYDROTHYMOL	0.007	0							
NEROL	0.007	0							
GERANYL ACETATE	0.007	0							
BETA-CARYOPHYLLENE	0.007	0.822							
VALENCENE	0.007	0							
CIS-NEROLIDOL	0.007	0							
CARYOPHYLLENE OXIDE	0.007	0.065							
CEDROL	0.007	0							
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 (%)									

Analyzed by: 2155 Weight: 1.0195g Extraction date: 03/24/21 10:03:06 Extracted by: 2507
 Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL
 Analytical Batch : GA024212TER Reviewed On : 03/26/21 15:13:14
 Instrument Used : GA-GCMS-002 QP20105 Batch Date : 03/23/21 15:43:44
 Analyzed Date : 03/25/21 16:29:14
 Dilution : 10
 Reagent : 010421.40; 010421.50
 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.