



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: GA10917001-003
Harvest/Lot ID: HVFV110-2109-1423
Batch#: DF-HGDP-2109-0750
Seed to Sale# HVFV110-2109-1423
Batch Date: 09/13/21
Sample Size Received: 16 gram
Total Amount: 1763 gram
Retail Product Size: 1
Ordered: 09/17/21
Sampled: 09/17/21
Completed: 09/21/21
Sampling Method: SOP.T.20.010

Sep 21, 2021 | Liberty Health Sciences, FL

18770 N CR 225
Gainesville, FL, 32609, US



PASSED

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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 : 795.379 mg



Total CBD

0%

/Container : 7.166 mg



Total Cannabinoids

0%

Total Cannabinoids/Container : 843.899 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	2.096	0.716	0.443	1.274	79.537	0	0.32	0
mg/g	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
LOD	%	%	%	%	%	%	%	%	%	%	%

Analized by:
2338

Weight:
0.1042g

Extraction date:
09/20/21 10:09:01

Extracted by:
2507

Analysis Method : SOP.T.40.031, SOP.T.30.031

Analytical Batch : GA031476POT

Instrument Used : GA-HPLC-003 2030C PDA

Analyzed Date : 09/20/21 14:22:28

Reviewed On : 09/21/21 11:23:05

Batch Date : 09/20/21 08:28:44

Dilution : 40

Reagent : 092920.16; 060220.R16; 010421.51; 060821.05; 091021.R40; 091521.R51

Consumables : 947.271; 470228-424; 9291.271; 200721; 12224-108CD-108C; RONB32898

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
09/21/21



Certificate of Analysis

PASSED

Liberty Health Sciences, FL

 18770 N CR 225
 Gainesville, FL, 32609, US
 Telephone: (833) 254-4877
 Email: Qualityassurance@libertyhealthsciences.com

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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	
CAMPENE	0.007	0.016			GERANIOL	0.007	0	0	
BETA-MYRCENE	0.007	1.562			PULEGONE	0.007	0	0	
ALPHA-PHELLEANDRENE	0.007	0			ALPHA-CEDRENE	0.007	0	0	
3-CARENE	0.007	0.028			ALPHA-HUMULENE	0.007	2	0.2	
OCIMENE	0.007	0			TRANS-NEROLIDOL	0.007	0	0	
EUCALYPTOL	0.007	0			GUAJOL	0.007	0	0	
LINALOOL	0.007	0.241			Analyzed by: 1541 Weight: 0.9962g Extraction date: 09/17/21 12:09:41 Extracted by: 2821				
FENCHONE	0.007	0			Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL				
ISOPULEGOL	0.007	0			Analytical Batch : GA031384TER				
ISOBORNEOL	0.007	0			Instrument Used : GA-GCMS-002 QP2010S				
HEXAHYDROTHYMOL	0.007	0			Analyzed Date : 09/17/21 16:57:46				
NEROL	0.007	0			Dilution : 10				
GERANYL ACETATE	0.007	0			Reagent : 091021.R15; 010421.41; 010421.51				
BETA-CARYOPHYLLENE	0.007	0.885			Consumables : 947.271; 470228-424; 9291.271; 200721; 12035-035CD-035C; R0NB32898; 00299409				
VALENCENE	0.007	0			Pipette : N/A				
CIS-NEROLIDOL	0.007	0			Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
CARYOPHYLLENE OXIDE	0.007	0.11							
CEDROL	0.007	0							
FARNESENE	0.007	0							
ALPHA-BISABOLOL	0.007	0.127							
ALPHA-PINENE	0.007	0.602							
SABINENE	0.007	0							
BETA-PINENE	0.007	0.111							
ALPHA-TERPINENE	0.007	0							
LIMONENE	0.007	0.131							
GAMMA-TERPINENE	0.007	0							
TERPINOLENE	0.007	0.052							
SABINENE HYDRATE	0.007	0							
FENCHYL ALCOHOL	0.007	0.016							
CAMPHOR	0.013	0							
Total (%)									