



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

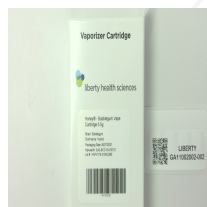
Sample:GA11002002-002  
Harvest/Lot ID: HVFV115-2109-2285  
Batch#: DF-BUGU-2109-1544  
Seed to Sale# HVFV115-2109-2285  
Batch Date: 09/27/21  
Sample Size Received: 15.5 gram  
Total Amount: 3549 gram  
Retail Product Size: .5  
Ordered: 10/02/21  
Sampled: 10/02/21  
Completed: 10/05/21  
Sampling Method: SOP.T.20.010

Oct 05, 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 : 378.829 mg


**Total CBD**
**0%**

/Container : 0 mg


**Total Cannabinoids**
**0%**

Total Cannabinoids/Container : 397.169 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	2.302	0	0.394	0.712	75.765	0	0.257	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	%	%	%	%	%	%	%	%	%	%	%

Analyzed by:  
2338

Weight:  
0.102g

Extraction date:  
10/04/21 11:10:59

Extracted by:  
2507

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

Analytical Batch : GA032079POT

Instrument Used : GA-HPLC-003 2030C PDA

Analyzed Date : 10/04/21 15:20:06

Reviewed On : 10/05/21 09:36:45

Batch Date : 10/02/21 14:12:03

Dilution : 400

Reagent : 060220.R16; 010421.51; 092821.09; 093021.R14; 093021.R18; 092920.16; 061621.03

Consumables : 947.271; 470228-424; 9291.271; 200721; 12224-108CD-108C; 000310748; R0NB32898

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  
10/05/21



# 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 : GA11002002-002

Harvest/Lot ID: HVFV115-2109-2285

Batch# : DF-BUGU-2109-1544

Sampled : 10/02/21

Ordered : 10/02/21


Sample Size Received : 15.5 gram

Total Amount : 3549 gram

Completed : 10/05/21 Expires: 10/05/22

Sample Method : SOP.T.20.010

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Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
TOTAL TERPINEOL	0.007		0		BORNEOL	0.013	0.14	0.014	
CAMPHENE	0.007		0.016		GERANIOL	0.007	0	0	
BETA-MYRCENE	0.007		0.585		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	1.94	0.194	
OCIMENE	0.007		0		TRANS-NEROLIDOL	0.007	0	0	
EUCALYPTOL	0.007		0		GUAJOL	0.007	0.31	0.031	
LINALOOL	0.007		0.25		Analyzed by: 2155	Weight: 1.0027g	Extraction date: 10/04/21 10:10:01	Extracted by: 3057	
FENCHONE	0.007		0		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL				
ISOPULEGOL	0.007		0		Analytical Batch : GA032096TER				
ISOBORNEOL	0.007		0		Instrument Used : GA-GCMS-002 QP2010S				
HEXAHYDROTHYMOL	0.007		0		Analyzed Date : 10/04/21 12:39:29				
NEROL	0.007		0		Reviewed On : 10/05/21 14:49:13				
GERANYL ACETATE	0.007		0		Batch Date : 10/04/21 08:51:56				
BETA-CARYOPHYLLENE	0.007		0.822		Dilution : 100				
VALENCENE	0.007		0.373		Reagent : 091021.R15; 010421.32; 010421.51				
CIS-NEROLIDOL	0.007		0		Consumables : 947.271; 470228-424; 9291.271; 200721; 210419634; R0NB32898; 00311783				
CARYOPHYLLENE OXIDE	0.007		0.072		Pipette : N/A				
CEDROL	0.007		0		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
FARNESENE	0.007		0.016						
ALPHA-BISABOLOL	0.007		0.105						
ALPHA-PINENE	0.007		0.083						
SABINENE	0.007		0						
BETA-PINENE	0.007		0.153						
ALPHA-TERPINENE	0.007		0						
LIMONENE	0.007		1.152						
GAMMA-TERPINENE	0.007		0						
TERPINOLENE	0.007		0.026						
SABINENE HYDRATE	0.007		0						
FENCHYL ALCOHOL	0.007		0.112						
CAMPHOR	0.013		0						
Total (%)									