



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample:GA10122002-009  
Harvest/Lot ID: HVFV115-210114-01  
Batch#: DF-BUGU-010421  
Seed to Sale# HVFV115-210114-01  
Batch Date: 01/14/21  
Sample Size Received: 15.5 gram  
Total Amount: 1998 units  
Retail Product Size: 0.5  
Ordered: 01/22/21  
Sampled: 01/22/21  
Completed: 06/03/21  
Sampling Method: SOP.T.20.010

Jun 03, 2021 | Liberty Health Sciences, FL

18770 N CR 225  
Gainesville, FL, 32609, US



**PASSED**

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### PRODUCT IMAGE

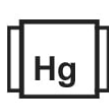


Box

### 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 : 384.133 mg



Total CBD

**0%**

/Container : 3.475 mg



Total Cannabinoids

**0%**

Total Cannabinoids/Container : 404.503 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	2.257	0.695	0.314	0.807	76.826	0	0	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	%	%	%	%	%	%	%	%	%	%	%

Analized by:  
2338

Weight:  
0.1013g

Extraction date:  
01/28/21 09:01:54

Extracted by:  
1791

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

Analytical Batch : GA021665POT

Instrument Used : GA-HPLC-001 2030C Plus (Carl)

Analyzed Date : N/A

Reviewed On : 01/29/21 12:49:17

Batch Date : 01/27/21 08:08:11

Dilution : 40

Reagent : 110519.13; 010621.24; 011921.R45; 012221.R09

Consumables : 282066106; 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  
06/03/21



# 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 : GA10122002-009

Harvest/Lot ID: HVFV115-210114-01

Batch# : DF-BUGU-010421

Sampled : 01/22/21

Ordered : 01/22/21

Sample Size Received : 15.5 gram

Total Amount : 1998 units

Completed : 06/03/21 Expires: 06/03/22

Sample Method : SOP.T.20.010

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## Terpenes

**TESTED**

Terpenes	LOD (%)	mg/unit	%	Result (%)	Terpenes	LOD (%)	mg/unit	%	Result (%)
CAMPENE	0.007	0			TERPINEOL	0.007	0.66	0.132	
BETA-MYRCENE	0.007	0.561			GERANIOL	0.007	0.32	0.064	
ALPHA-PHELLANDRENE	0.007	0			PULEGONE	0.007	0	0	
3-CARENE	0.007	0			ALPHA-CEDRENE	0.007	0	0	
OCIMENE	0.007	0			ALPHA-HUMULENE	0.007	0.9	0.18	
EUCALYPTOL	0.007	0			TRANS-NEROLIDOL	0.007	0	0	
LINALOOL	0.007	0.213			GUAJOL	0.007	0	0	
FENCHONE	0.007	0			Analyzed by: 2155 Weight: 0.9941g Extraction date: 01/25/21 09:01:50 Extracted by: 1791				
ISOPULEGOL	0.007	0			Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL Analytical Batch : GA021520TER				
ISOBORNEOL	0.007	0			Instrument Used : GA-GCMS-002 QP2010S Analyzed Date : N/A				
HEXAHYDROTHYMOL	0.007	0			Dilution : 10 Reagent : 122320.03				
NEROL	0.007	0			Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; P734631 / P7411895; 16466-042 Pipette : N/A				
GERANYL ACETATE	0.007	0			Reviewed On : 01/26/21 13:57:50 Batch Date : 01/23/21 13:33:26				
BETA-CARYOPHYLLENE	0.007	0.787			Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.				
VALENCENE	0.007	0.316							
CIS-NEROLIDOL	0.007	0							
CARYOPHYLLENE OXIDE	0.007	0.021							
CEDROL	0.007	0							
FARNESENE	0.007	0							
ALPHA-BISABOLOL	0.007	0.049							
ALPHA-PINENE	0.007	0.059							
SABINENE	0.007	0							
BETA-PINENE	0.007	0.12							
ALPHA-TERPINENE	0.007	0							
LIMONENE	0.007	1.109							
GAMMA-TERPINENE	0.007	0							
TERPINOLENE	0.007	0.016							
SABINENE HYDRATE	0.007	0							
FENCHYL ALCOHOL	0.007	0.086							
CAMPHOR	0.013	0							
BORNEOL	0.013	0							
<b>Total (%)</b>									