



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: GA10219002-007  
Harvest/Lot ID: FVZ104-210209-01  
Batch#: DF-HYB-020121  
Seed to Sale# FVZ104-210209-01  
Batch Date: 02/09/21  
Sample Size Received: 15.5 gram  
Total Amount: 881  
Retail Product Size: .5  
Ordered : 02/19/21  
Sampled : 02/19/21  
Completed: 02/24/21  
Sampling Method: SOP.T.20.010

Feb 24, 2021 | Liberty Health Sciences, FL  
18770 N CR 225  
Gainesville, FL, 32609, US

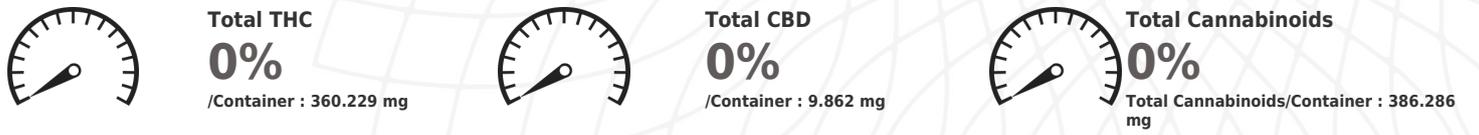


**PASSED**

Pages 1 of 2

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

Box	Cannabinoid	<b>PASSED</b>
		



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	1.832	1.972	0.53	0.37	72.045	0	0.505	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: 0.1082g      Extraction date: 02/19/21 07:02:21      Extracted by: 2206  
 Analysis Method : SOP.T.40.031, SOP.T.30.031      Reviewed On : 02/23/21 08:25:17  
 Analytical Batch : GA022733POT      Batch Date : 02/19/21 14:01:25  
 Instrument Used : GA-HPLC-001 2030C Plus (Carl)      Dilution : 40  
 Analyzed Date : 02/21/21 09:39:42      Reagent : 010621.23; 110519.12; 021521.R19; 021521.R21  
 Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; 190624060; 16466-042; VAV-09-1020 (947.077) / ALK-09-1412 (9291.179)  
 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  
02/24/21



# 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 : GA10219002-007  
Harvest/Lot ID: FVZ104-210209-01

Batch# : DF-HYB-020121    Sample Size Received : 15.5 gram  
Sampled : 02/19/21    Total Amount : 881  
Ordered : 02/19/21    Completed : 02/24/21 Expires: 02/24/22  
Sample Method : SOP.T.20.010

Page 2 of 2



## Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)	Terpenes	LOD (%)	mg/g	%	Result (%)
CAMPENE	0.007	0			TERPINEOL	0.007	0	0	
BETA-MYRCENE	0.007	0.2			GERANIOL	0.007	0	0	
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	1.72	0.172	
EUCALYPTOL	0.007	0			TRANS-NEROLIDOL	0.007	0	0	
LINALOOL	0.007	0.659			GUAJOL	0.007	0.07	0.007	
FENCHONE	0.007	0							
ISOPULEGOL	0.007	0							
ISOBORNEOL	0.007	0							
HEXAHYDROTHYMOL	0.007	0							
NEROL	0.007	0							
GERANYL ACETATE	0.007	0							
BETA-CARYOPHYLLENE	0.007	2.262							
VALENCENE	0.007	0							
CIS-NEROLIDOL	0.007	0							
CARYOPHYLLENE OXIDE	0.007	0.01							
CEDROL	0.007	0							
FARNESENE	0.007	0							
ALPHA-BISABOLOL	0.007	0							
ALPHA-PINENE	0.007	0.991							
SABINENE	0.007	0							
BETA-PINENE	0.007	0							
ALPHA-TERPINENE	0.007	0							
LIMONENE	0.007	2.369							
GAMMA-TERPINENE	0.007	0							
TERPINOLENE	0.007	0							
SABINENE HYDRATE	0.007	0							
FENCHYL ALCOHOL	0.007	0							
CAMPHOR	0.013	0							
BORNEOL	0.013	0							
<b>Total (%)</b>					<b>Total (%)</b>				

Analyzed by: 2155    Weight: 1.0074g    Extraction date: 02/22/21 01:02:32    Extracted by: 650

Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL  
 Analytical Batch : GA022745TER    Reviewed On : 02/23/21 15:46:50  
 Instrument Used : GA-GCMS-002 QP2010S    Batch Date : 02/19/21 16:48:45  
 Analyzed Date : 02/23/21 15:00:16

Dilution : 10  
 Reagent : 060920.20; 010621.15  
 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.