



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: GA10219002-010
Harvest/Lot ID: LHSFS108-210208-01
Batch#: DF-SLH-020221
Seed to Sale# LHSFS108-210208-01
Batch Date: 02/08/21
Sample Size Received: 16 gram
Total Amount: 1123
Retail Product Size: 1.191
Ordered: 02/19/21
Sampled: 02/19/21
Completed: 02/25/21
Sampling Method: SOP.T.20.010

Feb 25, 2021 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US

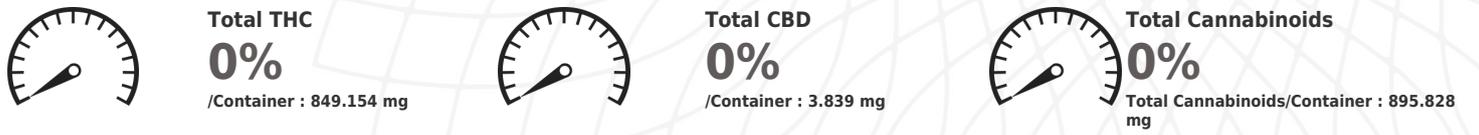


PASSED

Pages 1 of 2

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

Box	Cannabinoid	PASSED
	Cannabinoid	PASSED



	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0	0	0	1.765	0.322	0.193	1.439	71.297	0	0.198	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: 0.1037g Extraction date: 02/19/21 07:02:24 Extracted by: 2206
 Analysis Method : SOP.T.40.031, SOP.T.30.031
 Analytical Batch : GA022733POT
 Instrument Used : GA-HPLC-001 2030C Plus (Carl) Reviewed On : N/A
 Analyzed Date : 02/21/21 09:39:42 Batch Date : 02/19/21 14:01:25
 Dilution : 40
 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
02/25/21



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 : GA10219002-010

Harvest/Lot ID: LHSFS108-210208-01

Batch# : DF-SLH-020221

Sampled : 02/19/21

Ordered : 02/19/21

Sample Size Received : 16 gram

Total Amount : 1123

Completed : 02/25/21 Expires: 02/25/22

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	0.71 0.071	
BETA-MYRCENE	0.007	0.4		GERANIOL	0.007	0 0	
ALPHA-PHELLANDRENE	0.007	0.062		PULEGONE	0.007	0 0	
3-CARENE	0.007	0.043		ALPHA-CEDRENE	0.007	0.01 0.001	
OCIMENE	0.007	0		ALPHA-HUMULENE	0.007	4.7 0.47	
EUCALYPTOL	0.007	0.048		TRANS-NEROLIDOL	0.007	1.7 0.17	
LINALOOL	0.007	0		GUAJOL	0.007	0 0	
FENCHONE	0.007	0		Analyzed by: 2155 Weight: 1.0078g Extraction date: 02/22/21 01:02:35 Extracted by: 650			
ISOPULEGOL	0.007	0		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL			
ISOBORNEOL	0.007	0		Analytical Batch : GA022745TER Reviewed On : 02/23/21 15:48:09			
HEXAHYDROTHYMOL	0.007	0		Instrument Used : GA-GCMS-002 QP2010S Batch Date : 02/19/21 16:48:45			
NEROL	0.007	0		Analyzed Date : 02/23/21 15:00:16			
GERANYL ACETATE	0.007	0		Dilution : 10			
BETA-CARYOPHYLLENE	0.007	1.711		Reagent : 060920.20; 010621.15			
VALENCENE	0.007	0.11		Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; VAV-09-1020 (947.077) / ALK-09-1412 (9291.179); P734631 / P7411895; 16466-042			
CIS-NEROLIDOL	0.007	0		Pipette : N/A			
CARYOPHYLLENE OXIDE	0.007	0.015		Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.			
CEDROL	0.007	0					
FARNESENE	0.007	1.098					
ALPHA-BISABOLOL	0.007	0.057					
ALPHA-PINENE	0.007	0.077					
SABINENE	0.007	0					
BETA-PINENE	0.007	0.148					
ALPHA-TERPINENE	0.007	0.051					
LIMONENE	0.007	0.239					
GAMMA-TERPINENE	0.007	0.032					
TERPINOLENE	0.007	2.115					
SABINENE HYDRATE	0.007	0					
FENCHYL ALCOHOL	0.007	0.029					
CAMPHOR	0.013	0					
BORNEOL	0.013	0					
Total (%)							

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
02/25/21