



Certificate of Analysis

COMPLIANCE FOR RETAIL

Sample: GA11016002-001
Harvest/Lot ID: DPFV109-2110-3319
Batch#: DF-MBER-2109-1642
Cultivation Facility:
Processing Facility:
Distributor Facility:
Source Facility:
Seed to Sale# DPFV109-2110-3319
Batch Date: 10/11/21
Sample Size Received: 16 gram
Total Amount: 2950 gram
Retail Product Size: 1 gram
Ordered : 10/16/21
Sampled : 10/16/21
Completed: 10/19/21
Sampling Method: SOP.T.20.010

Oct 19, 2021 | Liberty Health Sciences, FL
18770 N CR 225
Gainesville, FL, 32609, US



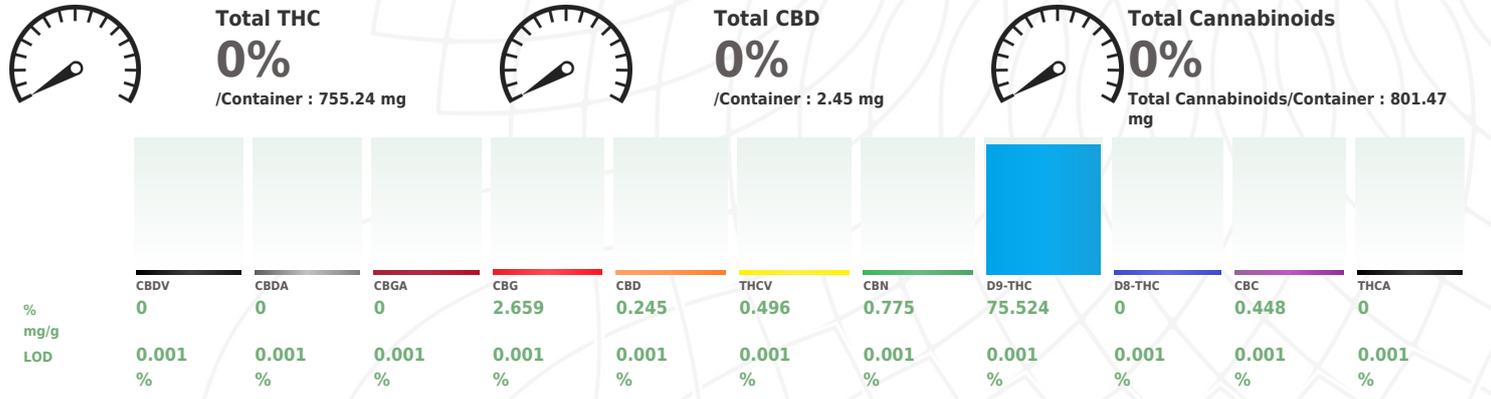
PASSED

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**



Analyzed by: 2338	Weight: 0.0996g	Extraction date: 10/18/21 09:10:29	Extracted by: 3057
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Analysis Method : SOP.T.40.031, SOP.T.30.031
Analytical Batch : GA032711POT
Instrument Used : GA-HPLC-003 2030C PDA
Running on : 10/18/21 12:17:03

Dilution : 400
Reagent : 060220.R16; 010421.48; 092821.14; 101421.R16; 101421.R18
Consumables : 947.271; 470228-424; 9291.271; 200721; 12035-032CD-032C; RONB32898; 000310748
Pipette : N/A

Reviewed On : 10/19/21 11:11:57
Batch Date : 10/17/21 10:41:58

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

10/19/21
Signed On



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 : GA11016002-001
Harvest/Lot ID: DPFV109-2110-3319

Batch# : DF-MBER-2109-1642 Sample Size Received : 16 gram
Sampled : 10/16/21 Total Amount : 2950 gram
Ordered : 10/16/21 Completed : 10/19/21 Expires: 10/19/22
Sample Method : SOP.T.20.010

Page 2 of 2

Terpenes				TESTED			
Terpenes	LOD (%)	mg/g %	Result (%)	Terpenes	LOD (%)	mg/g %	Result (%)
TOTAL TERPENEOL	0.007	0		BORNEOL	0.013	0 0	
CAMPHENE	0.007	0.07		GERANIOL	0.007	0 0	
BETA-MYRCENE	0.007	0.952		PULEGONE	0.007	0 0	
3-CARENE	0.007	0.032		ALPHA-CEDRENE	0.007	0 0	
ALPHA-PHELLANDRENE	0.007	0		ALPHA-HUMULENE	0.007	1.25 0.125	
OCIMENE	0.007	0		TRANS-NEROLIDOL	0.007	0 0	
EUCALYPTOL	0.007	0		GUAIOL	0.007	0 0	
LINALOOL	0.007	0.369		Analyzed by:	Weight:	Extraction date:	Extracted by:
FENCHONE	0.007	0		2155	0.9962g	10/17/21 03:10:44	2821
ISOPULEGOL	0.007	0		Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL			
ISOBORNEOL	0.007	0		Analytical Batch : GA032713TER			
HEXAHYDROTHYMOL	0.007	0		Instrument Used : GA-GCMS-002 QP2010S			
NEROL	0.007	0		Running on : 10/17/21 18:32:17			
GERANYL ACETATE	0.007	0		Dilution : 100			
BETA-CARYOPHYLLENE	0.007	1.037		Reagent : 091021.R15; 010421.32; 010421.51			
VALENCENE	0.007	0		Consumables : 947.271; 470228-424; 9291.271; 200721; 210419634; RONB32898; 000310748			
CEDROL	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.			
FARNESENE	0.007	0					
CARYOPHYLLENE OXIDE	0.007	0					
ALPHA-BISABOLOL	0.007	0.182					
ALPHA-PINENE	0.007	0.172					
SABINENE	0.007	0					
BETA-PINENE	0.007	0.248					
ALPHA-TERPINENE	0.007	0					
LIMONENE	0.007	1.601					
GAMMA-TERPINENE	0.007	0					
TERPINOLENE	0.007	0.066					
SABINENE HYDRATE	0.007	0					
FENCHYL ALCOHOL	0.007	0.165					
CAMPHOR	0.013	0					
Total (%)							