



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: GA10105003-005  
Harvest/Lot ID: PPF0101-201231-01  
Batch#: OSF-THC-LP-121120  
Seed to Sale# PPF0101-201231-01  
Batch Date: 12/31/20  
Sample Size Received: 90 ml  
Total Amount: 532  
Retail Product Size: 28  
Ordered: 01/05/21  
Sampled: 01/05/21  
Completed: 01/12/21  
Sampling Method: SOP.T.20.010

**PASSED**

Jan 12, 2021 | Liberty Health Sciences, FL

18770 N CR 225  
Gainesville, FL, 32609, US



Pages 1 of 2

### 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 : 648.36 mg



Total CBD

**0%**

/Container : 2.556 mg



Total Cannabinoids

**0%**

Total Cannabinoids/Container : 688.892 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA	TOTAL CANNABINOIDS	TOTAL CBD	TOTAL THC
%		0	0	0.041	0.009	0.012	0.062	2.315	0	0.019	0.001	0	0	0
mg/ml		0	0	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001			
LOD	0.001	0.001	0.001	0.001	%	0.001	0.001	%	0.001	0.001	0.001	%	%	%

Analyzed by:  
1541

Weight:  
3.0031g

Extraction date:  
01/06/21 10:01:40

Extracted by:  
1791

Analysis Method : SOP.T.40.031, SOP.T.30.031  
Analytical Batch : GA020801POT  
Instrument Used : GA-HPLC-001 2030C Plus (Carl)

Analyzed Date : 01/06/21 16:34:06

Reviewed On : 01/07/21 11:11:35  
Batch Date : 01/06/21 09:56:12

Dilution : 40  
Reagent : 010521.06; 123120.R06; 123120.R08; 110519.13  
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  
01/12/21



# 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 : GA10105003-005

Harvest/Lot ID: PPFO101-201231-01

Batch# : OSF-THC-LP-121120

Sampled : 01/05/21

Ordered : 01/05/21


Sample Size Received : 90 ml

Total Amount : 532

Completed : 01/12/21 Expires: 01/12/22

Sample Method : SOP.T.20.010

Page 2 of 2



# Terpenes

TESTED

Terpenes	LOD (%)	mg/ml	%	Result (%)	Terpenes	LOD (%)	mg/ml	%	Result (%)
ALPHA-HUMULENE	0.007		0.043		EUCALYPTOL	0.007	0	0	
ALPHA-CEDRENE	0.007		0		ISOBORNEOL	0.007	0	0	
SABINENE	0.007		0		HEXAHYDROTHYMOL	0.007	0.71	0.071	
SABINENE HYDRATE	0.007		0		FENCHYL ALCOHOL	0.007	0.25	0.025	
TERPINEOL	0.007		0.04		3-CARENE	0.007	0	0	
TERPINOLENE	0.007		0.08		CIS-NEROLIDOL	0.007	0	0	
BETA-CARYOPHYLLENE	0.007		0.135		ISOPULEGOL	0.007	0	0	
TRANS-NEROLIDOL	0.007		0		<div>Analyzed by: 2155Weight: 1.0014gExtraction date: 01/06/21 09:01:41Extracted by: 1791</div>				
VALENCENE	0.007		0		<div>Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FLReviewed On : 01/07/21 11:20:28</div>				
ALPHA-BISABOLOL	0.007		0.017		<div>Analytical Batch : GA020780TERBatch Date : 01/06/21 08:36:46</div>				
CARYOPHYLLENE OXIDE	0.007		0		<div>Instrument Used : GA-GCMS-002 QP2010S</div>				
CAMPHOR	0.013		0.013		<div>Analyzed Date : N/A</div>				
CAMPHENE	0.007		0		<div>Dilution : 10</div>				
BORNEOL	0.013		0		<div>Reagent : 122320.03</div>				
BETA-PINENE	0.007		0.019		<div>Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; P734631 / P7411895; 16466-042</div>				
BETA-MYRCENE	0.007		0.018		<div>Pipette : N/A</div>				
ALPHA-TERPINENE	0.007		0		<div>Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.</div>				
ALPHA-PINENE	0.007		0.004						
CEDROL	0.007		0						
PULEGONE	0.007		0						
ALPHA-PHELLANDRENE	0.007		0						
OCIMENE	0.007		0						
NEROL	0.007		0						
LINALOOL	0.007		0.22						
LIMONENE	0.007		0.139						
GUAJOL	0.007		0						
GERANYL ACETATE	0.007		0						
GERANIOL	0.007		0						
GAMMA-TERPINENE	0.007		0						
FENCHONE	0.007		0						
FARNESENE	0.007		0						
Total (%)									