



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample:GA10316002-008  
Harvest/Lot ID: PPFS104-210301-01  
Batch#: DF-1T1C-CRS-022321  
Seed to Sale# PPFS104-210301-01  
Batch Date: 03/01/21  
Sample Size Received: 16 gram  
Total Amount: 500 gram  
Retail Product Size: 1.1664  
Ordered: 03/16/21  
Sampled: 03/16/21  
Completed: 03/18/21  
Sampling Method: SOP.T.20.010

Mar 19, 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 : 466.916 mg


**Total CBD**
**0%**

/Container : 462.438 mg


**Total Cannabinoids**
**0%**

Total Cannabinoids/Container : 971.453 mg

|      | CBDV  | CBDA  | CBGA  | CBG   | CBD    | THCV  | CBN   | D9-THC | D8-THC | CBC   | THCA  |
|------|-------|-------|-------|-------|--------|-------|-------|--------|--------|-------|-------|
| %    | 0     | 0     | 0     | 2.337 | 39.646 | 0.354 | 0.917 | 40.03  | 0      | 0     | 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:  
0.1046g

Extraction date:  
03/16/21 02:03:20

Extracted by:  
2206

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

Analytical Batch : GA023856POT

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

Analyzed Date : 03/16/21 17:37:41

Reviewed On : 03/17/21 15:11:03

Batch Date : 03/16/21 08:54:25

Dilution : 40

Reagent : 110520.06; 010621.02; 030921.R23; 022621.R24

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  
03/18/21



# 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 : GA10316002-008

Harvest/Lot ID: PPFS104-210301-01

Batch# : DF-1T1C-CRS-022321

Sampled : 03/16/21

Ordered : 03/16/21


Sample Size Received : 16 gram

Total Amount : 500 gram

Completed : 03/18/21 Expires: 03/18/22

Sample Method : SOP.T.20.010

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Terpenes

TESTED

| Terpenes            | LOD (%) | mg/g  | % | Result (%) | Terpenes   | LOD (%) | mg/g | %     | Result (%) |
|---------------------|---------|-------|---|------------|--|---------|------|-------|------------|
| CAMPHENE            | 0.007   | 0     |   |            | TERPINEOL  | 0.007   | 0.38 | 0.038 |            |
| BETA-MYRCENE        | 0.007   | 4.267 |   |            | GERANIOL   | 0.007   | 0.5  | 0.05  |            |
| ALPHA-PHELLANDRENE  | 0.007   | 0     |   |            | PULEGONE   | 0.007   | 0    | 0     |            |
| 3-CARENE            | 0.007   | 0.002 |   |            | ALPHA-CEDRENE  | 0.007   | 0    | 0     |            |
| OCIMENE             | 0.007   | 0     |   |            | ALPHA-HUMULENE   | 0.007   | 0.75 | 0.075 |            |
| EUCALYPTOL          | 0.007   | 0     |   |            | TRANS-NEROLIDOL  | 0.007   | 0.43 | 0.043 |            |
| LINALOOL            | 0.007   | 0.341 |   |            | GUAJOL   | 0.007   | 0.4  | 0.04  |            |
| FENCHONE            | 0.007   | 0     |   |            | <div> <div>Analyzed by: 1541</div> <div>Weight: 0.9959g</div> <div>Extraction date: 03/16/21 01:03:54</div> <div>Extracted by: 2103</div> </div>   |         |      |       |            |
| ISOPULEGOL          | 0.007   | 0     |   |            | <div> <div>Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL</div> <div> <div>Analytical Batch : GA023895TER</div> <div>Instrument Used : GA-GCMS-002 QP2010S</div> <div>Analyzed Date : 03/16/21 15:59:58</div> </div> <div>Reviewed On : 03/18/21 16:18:54</div> <div>Batch Date : 03/16/21 11:17:26</div> </div> |         |      |       |            |
| ISOBORNEOL          | 0.007   | 0     |   |            | <div> <div>Dilution : 10</div> <div>Reagent : 010421.38</div> <div>Consumables : 282066106; VAV-09-1020 Lot# 947.077; 6970145500298; 190624060; 16466-042</div> <div>Pipette : N/A</div> </div>  |         |      |       |            |
| HEXAHYDROTHYMOL     | 0.007   | 0     |   |            | <div> <div>Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry. For all Flower samples, the Total Terpenes % is dry-weight corrected.</div> </div>   |         |      |       |            |
| NEROL               | 0.007   | 0.011 |   |            |  |         |      |       |            |
| GERANYL ACETATE     | 0.007   | 0     |   |            |  |         |      |       |            |
| BETA-CARYOPHYLLENE  | 0.007   | 0.181 |   |            |  |         |      |       |            |
| VALENCENE           | 0.007   | 0     |   |            |  |         |      |       |            |
| CIS-NEROLIDOL       | 0.007   | 0     |   |            |  |         |      |       |            |
| CARYOPHYLLENE OXIDE | 0.007   | 0     |   |            |  |         |      |       |            |
| CEDROL              | 0.007   | 0     |   |            |  |         |      |       |            |
| FARNESENE           | 0.007   | 0     |   |            |  |         |      |       |            |
| ALPHA-BISABOLOL     | 0.007   | 0.092 |   |            |  |         |      |       |            |
| ALPHA-PINENE        | 0.007   | 0.809 |   |            |  |         |      |       |            |
| SABINENE            | 0.007   | 0     |   |            |  |         |      |       |            |
| BETA-PINENE         | 0.007   | 0.208 |   |            |  |         |      |       |            |
| ALPHA-TERPINENE     | 0.007   | 0.011 |   |            |  |         |      |       |            |
| LIMONENE            | 0.007   | 0.354 |   |            |  |         |      |       |            |
| GAMMA-TERPINENE     | 0.007   | 0     |   |            |  |         |      |       |            |
| TERPINOLENE         | 0.007   | 0.01  |   |            |  |         |      |       |            |
| SABINENE HYDRATE    | 0.007   | 0     |   |            |  |         |      |       |            |
| FENCHYL ALCOHOL     | 0.007   | 0.035 |   |            |  |         |      |       |            |
| CAMPOR              | 0.013   | 0.01  |   |            |  |         |      |       |            |
| BORNEOL             | 0.013   | 0     |   |            |  |         |      |       |            |
| Total (%)           |         |       |   |            |  |         |      |       |            |