



# Certificate of Analysis

## COMPLIANCE FOR RETAIL

Sample: GA10903001-002  
Harvest/Lot ID: PHFD106-2108-0577  
Batch#: DF-POGK-2108-0549  
Seed to Sale# PHFD106-2108-0577  
Batch Date: 08/30/21  
Sample Size Received: 15.3 gram  
Total Amount: 2237 gram  
Retail Product Size: 0.3  
Ordered : 09/03/21  
Sampled : 09/03/21  
Completed: 09/07/21  
Sampling Method: SOP.T.20.010

**PASSED**

Sep 07, 2021 | Liberty Health Sciences, FL  
18770 N CR 225  
Gainesville, FL, 32609, US

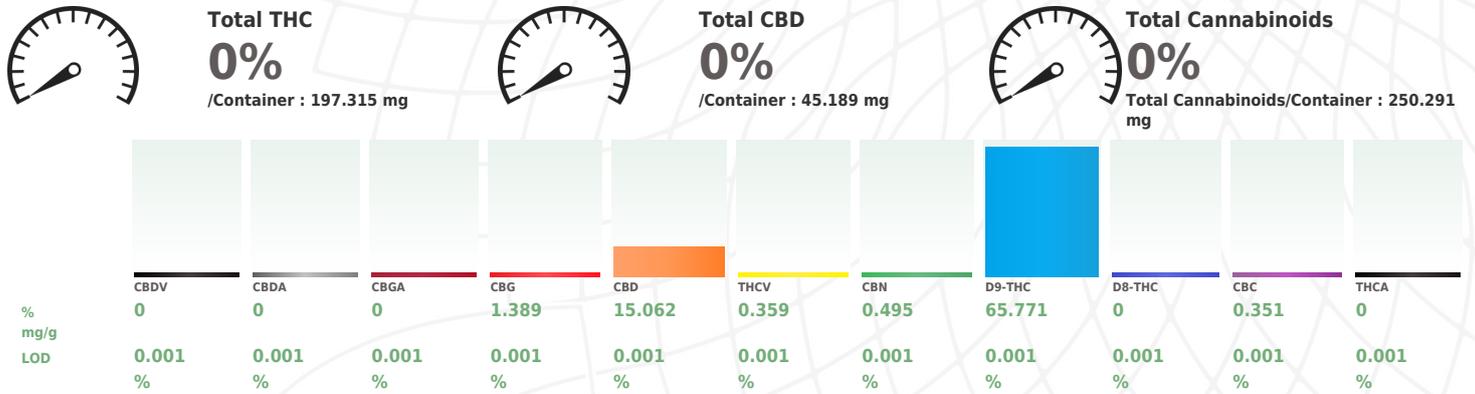


Pages 1 of 2

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

Box

|  |                    |               |
|--|--------------------|---------------|
|  | <b>Cannabinoid</b> | <b>PASSED</b> |
|--|--------------------|---------------|



Analyzed by: 2338      Weight: 0.0951g      Extraction date: 09/03/21 12:09:33      Extracted by: 2821  
 Analysis Method : SOP.T.40.031, SOP.T.30.031      Reviewed On : 09/07/21 09:04:14  
 Analytical Batch : GA030820POT      Batch Date : 09/03/21 08:56:18  
 Instrument Used : GA-HPLC-002 2040C  
 Analyzed Date : 09/03/21 14:07:01  
 Dilution : 40  
 Reagent : 060220.R16; 010421.51; 070821.07; 081121.R61; 083121.R71  
 Consumables : 947.271; 470228-424; 9291.271; 200721; 12035-035CD-035C; RONB32898; 00299409  
 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

09/07/21  
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 : GA10903001-002  
Harvest/Lot ID: PHFD106-2108-0577

Batch# : DF-POGK-2108-0549 Sample Size Received : 15.3 gram  
Sampled : 09/03/21 Total Amount : 2237 gram  
Ordered : 09/03/21 Completed : 09/07/21 Expires: 09/07/22  
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   | 0.015 |   |            | GERANIOL   | 0.007   | 0.26              | 0.026         |            |
| BETA-MYRCENE        | 0.007   | 1.086 |   |            | PULEGONE   | 0.007   | 0.09              | 0.009         |            |
| ALPHA-PHELLANDRENE  | 0.007   | 0     |   |            | ALPHA-CEDRENE  | 0.007   | 0                 | 0             |            |
| 3-CARENE            | 0.007   | 0     |   |            | ALPHA-HUMULENE   | 0.007   | 2.71              | 0.271         |            |
| OCIMENE             | 0.007   | 0     |   |            | TRANS-NEROLIDOL  | 0.007   | 0.17              | 0.017         |            |
| EUCALYPTOL          | 0.007   | 0     |   |            | GUAIOL   | 0.007   | 0                 | 0             |            |
| LINALOOL            | 0.007   | 0.414 |   |            |  |         |                   |               |            |
| FENCHONE            | 0.007   | 0     |   |            | Analyzed by:   | Weight: | Extraction date:  | Extracted by: |            |
| ISOPULEGOL          | 0.007   | 0     |   |            | 2155   | 1.0176g | 09/03/21 11:09:00 | 1791          |            |
| ISOBORNEOL          | 0.007   | 0     |   |            | Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL   |         |                   |               |            |
| HEXAHYDROTHYMOL     | 0.007   | 0     |   |            | Analytical Batch : GA030770TER   |         |                   |               |            |
| NEROL               | 0.007   | 0     |   |            | Instrument Used : GA-GCMS-005 QP2020NX   |         |                   |               |            |
| GERANYL ACETATE     | 0.007   | 0     |   |            | Analyzed Date : 09/03/21 14:55:51  |         |                   |               |            |
| BETA-CARYOPHYLLENE  | 0.007   | 0.787 |   |            | Dilution : 10  |         |                   |               |            |
| VALENCENE           | 0.007   | 0.019 |   |            | Reagent : 042921.R11; 010421.37; 010421.51   |         |                   |               |            |
| CIS-NEROLIDOL       | 0.007   | 0     |   |            | Consumables : 282066106; 947.271; 470228-424; 9291.271; 200721; 190611634; 00299409  |         |                   |               |            |
| CARYOPHYLLENE OXIDE | 0.007   | 0.026 |   |            | Pipette : N/A  |         |                   |               |            |
| CEDROL              | 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     |   |            |  |         |                   |               |            |
| ALPHA-BISABOLOL     | 0.007   | 0.105 |   |            |  |         |                   |               |            |
| ALPHA-PINENE        | 0.007   | 0.132 |   |            |  |         |                   |               |            |
| SABINENE            | 0.007   | 0     |   |            |  |         |                   |               |            |
| BETA-PINENE         | 0.007   | 0.191 |   |            |  |         |                   |               |            |
| ALPHA-TERPINENE     | 0.007   | 0     |   |            |  |         |                   |               |            |
| LIMONENE            | 0.007   | 1.457 |   |            |  |         |                   |               |            |
| GAMMA-TERPINENE     | 0.007   | 0     |   |            |  |         |                   |               |            |
| TERPINOLENE         | 0.007   | 0     |   |            |  |         |                   |               |            |
| SABINENE HYDRATE    | 0.007   | 0     |   |            |  |         |                   |               |            |
| FENCHYL ALCOHOL     | 0.007   | 0.139 |   |            |  |         |                   |               |            |
| CAMPHOR             | 0.013   | 0     |   |            |  |         |                   |               |            |
| Total (%)           |         |       |   |            |  |         |                   |               |            |