






# Certificate of Analysis

**Sample:GA20623002-003**
**Harvest/Lot ID: ORFCS162-2206-10059**
**Batch#: LPC-172L-040922-2-P2**
**Cultivation Facility: Gainesville Cultivation**
**Processing Facility : Gainesville Processing**
**Seed to Sale# ORFCS162-2206-10059**
**Batch Date: 06/15/22**
**Sample Size Received: 16 gram**
**Total Batch Size: 478 units**
**Retail Product Size: 1 gram**
**Ordered : 06/23/22**
**Sampled : 06/23/22**
**Completed: 06/25/22**
**Sampling Method: SOP.T.20.010.FL**
**PASSED**

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Jun 25, 2022 | Liberty Health Sciences, FL  
18770 N CR 225  
Gainesville, FL, 32609, US


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

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

Total THC

64.156%

Total THC/Container : 641.56 mg

Total CBD

0.133%

Total CBD/Container : 1.33 mg

Total Cannabinoids

75.191%

Total Cannabinoids/Container : 751.91 mg

|                |                |            |              |            |              |               |            |            |            |            |
|----------------|----------------|------------|--------------|------------|--------------|---------------|------------|------------|------------|------------|
|                |                |            |              |            |              |               |            |            |            |            |
| D9-THC         | THCA           | CBD        | CBDA         | D8-THC     | CBG          | CBGA          | CBN        | THCV       | CBDV       | CBC        |
| % 10.845       | % 60.789       | % ND       | % 0.152      | % ND       | % 0.427      | % 2.978       | % ND       | % ND       | % ND       | % ND       |
| mg/unit 108.45 | mg/unit 607.89 | mg/unit ND | mg/unit 1.52 | mg/unit ND | mg/unit 4.27 | mg/unit 29.78 | mg/unit ND | mg/unit ND | mg/unit ND | mg/unit ND |
| LOD 0.001      | LOD 0.001      | LOD 0.001  | LOD 0.001    | LOD 0.001  | LOD 0.001    | LOD 0.001     | LOD 0.001  | LOD 0.001  | LOD 0.001  | LOD 0.001  |
| %              | %              | %          | %            | %          | %            | %             | %          | %          | %          | %          |

|   |                    |   |                       |
|---|--------------------|---|-----------------------|
| Analyzed by:<br>3404, 3134, 3192, 2507, 3303  | Weight:<br>0.0918g | Extraction date:<br>06/23/22 19:52:25                             | Extracted by:<br>3134 |
| Analysis Method : SOP.T.40.031, SOP.T.30.031<br>Analytical Batch : GA045824POT<br>Instrument Used : GA-HPLC-002 2040C<br>Running on : 06/24/22 14:30:59   |                    | Reviewed On : 06/24/22 15:03:06<br>Batch Date : 06/23/22 10:16:13 |                       |
| Dilution : 400<br>Reagent : 060422.R39; 061122.R29; 020322.R09; 010421.48; 060922.15<br>Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 12400-133CD-133C; R0NB32898; 000000146137; 944C4 944J; 210268; 212516<br>Pipette : GA-005; GA-152; GA-153; GA-169 (Dispenser) |                    |   |                       |

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.



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Gainesville, FL, 32609, US  
Telephone: (833) 254-4877  
Email: Qualityassurance@libertyhealthsciences.com

Sample : GA20623002-003  
Harvest/Lot ID: ORFCS162-2206-10059  
Batch# : LPC-172L-040922-2-  
P2  
Sample Size Received : 16 gram  
Total Batch Size : 478 units  
Completed : 06/25/22 Expires: 06/25/23  
Sample Method : SOP.T.20.010

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## Terpenes

**TESTED**

| Terpenes            | LOD (%) | mg/unit | %            | Result (%) | Terpenes  | LOD (%) | mg/unit | %     | Result (%) |
|---------------------|---------|---------|--------------|------------|---|---------|---------|-------|------------|
| TOTAL TERPENEOL     | 0.007   | 1.4     | 0.14         |            | BORNEOL   | 0.013   | <0.4    | <0.04 |            |
| CAMPENE             | 0.007   | ND      | ND           |            | GERANIOL  | 0.007   | ND      | ND    |            |
| BETA-MYRCENE        | 0.007   | 0.33    | 0.033        |            | PULEGONE  | 0.007   | ND      | ND    |            |
| 3-CARENE            | 0.007   | ND      | ND           |            | ALPHA-CEDRENE   | 0.007   | ND      | ND    |            |
| ALPHA-PHELLANDRENE  | 0.007   | ND      | ND           |            | ALPHA-HUMULENE  | 0.007   | 5.02    | 0.502 |            |
| OCIMENE             | 0.007   | 0.2     | 0.02         |            | TRANS-NEROLIDOL   | 0.007   | 0.58    | 0.058 |            |
| EUCALYPTOL          | 0.007   | ND      | ND           |            | GUAJOL  | 0.007   | 2.5     | 0.25  |            |
| LINALOOL            | 0.007   | 2.86    | 0.286        |            |   |         |         |       |            |
| FENCHONE            | 0.007   | ND      | ND           |            | Analyzed by: 3404, 3209, 2155, 3303<br>Weight: 0.96g<br>Extraction date: 06/23/22 20:31:52<br>Extracted by: 3209  |         |         |       |            |
| ISOPULEGOL          | 0.007   | ND      | ND           |            | Analysis Method : SOP.T.30.061A.FL, SOP.T.40.061A.FL<br>Analytical Batch : GA04S789T8R<br>Instrument Used : GA-GCMS-002 QP2010S<br>Running on : 06/24/22 12:40:47<br>Reviewed On : 06/25/22 11:54:39<br>Batch Date : 06/22/22 20:05:20      |         |         |       |            |
| ISOBORNEOL          | 0.007   | ND      | ND           |            | Dilution : 50<br>Reagent : 060922.R22; 050322.49; 010421.51<br>Consumables : 947.271; H20364; 9291.271; LLS-00-0005; 210916634-C; RONB32898; 000000146137; 944C4 944J; 210268; 206639<br>Pipette : GA-011; GA-146; GA-182; GA-211 Dispenser |         |         |       |            |
| HEXAHYDROTHYMOL     | 0.007   | ND      | ND           |            | Terpenoid testing is performed utilizing Gas Chromatography Mass Spectrometry.  |         |         |       |            |
| NEROL               | 0.007   | ND      | ND           |            |   |         |         |       |            |
| GERANYL ACETATE     | 0.007   | ND      | ND           |            |   |         |         |       |            |
| BETA-CARYOPHYLLENE  | 0.007   | 16.24   | 1.624        |            |   |         |         |       |            |
| VALENCENE           | 0.007   | ND      | ND           |            |   |         |         |       |            |
| CIS-NEROLIDOL       | 0.007   | ND      | ND           |            |   |         |         |       |            |
| CEDROL              | 0.007   | ND      | ND           |            |   |         |         |       |            |
| FARNESENE           | 0       | 0.49    | 0.049        |            |   |         |         |       |            |
| CARYOPHYLLENE OXIDE | 0.007   | 0.64    | 0.064        |            |   |         |         |       |            |
| ALPHA-BISABOLOL     | 0.007   | 3.76    | 0.376        |            |   |         |         |       |            |
| ALPHA-PINENE        | 0.007   | ND      | ND           |            |   |         |         |       |            |
| SABINENE            | 0.007   | ND      | ND           |            |   |         |         |       |            |
| BETA-PINENE         | 0.007   | ND      | ND           |            |   |         |         |       |            |
| ALPHA-TERPINENE     | 0.007   | ND      | ND           |            |   |         |         |       |            |
| LIMONENE            | 0.007   | 1.28    | 0.128        |            |   |         |         |       |            |
| GAMMA-TERPINENE     | 0.007   | ND      | ND           |            |   |         |         |       |            |
| TERPINOLENE         | 0.007   | 0.27    | 0.027        |            |   |         |         |       |            |
| SABINENE HYDRATE    | 0.007   | ND      | ND           |            |   |         |         |       |            |
| FENCHYL ALCOHOL     | 0.007   | 1.62    | 0.162        |            |   |         |         |       |            |
| CAMPOR              | 0.013   | ND      | ND           |            |   |         |         |       |            |
| <b>Total (%)</b>    |         |         | <b>3.719</b> |            |   |         |         |       |            |



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18770 N CR 225

Gainesville, FL, 32609, US

Telephone: (833) 254-4877

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Sample : GA20623002-003

Harvest/Lot ID: ORFCS162-2206-10059

Batch# : LPC-172L-040922-2- P2

Sampled : 06/23/22

Ordered : 06/23/22

Sample Size Received : 16 gram

Total Batch Size : 478 units

Completed : 06/25/22 Expires: 06/25/23

Sample Method : SOP.T.20.010

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## Pesticides

**PASSED**

| Pesticide                           | LOD  | Units | Action Level | Pass/Fail | Result | Pesticide   | LOD     | Units             | Action Level                    | Pass/Fail | Result |
|-------------------------------------|------|-------|--------------|-----------|--------|---|---------|-------------------|---------------------------------|-----------|--------|
| TOTAL CONTAMINANT LOAD (PESTICIDES) | 0.01 | PPM   | 5            | PASS      | ND     | PROPICONAZOLE   | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| ABAMECTIN B1A                       | 0.01 | ppm   | 0.1          | PASS      | ND     | PROPOXUR  | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| ACEPHATE                            | 0.01 | ppm   | 0.1          | PASS      | ND     | PYRETHRINS  | 0.01    | ppm               | 0.5                             | PASS      | ND     |
| ACEQUINOXYL                         | 0.01 | ppm   | 0.1          | PASS      | ND     | PYRIDABEN   | 0.01    | ppm               | 0.2                             | PASS      | ND     |
| ACETAMIPRID                         | 0.01 | ppm   | 0.1          | PASS      | ND     | SPIROMESIFEN  | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| ALDICARB                            | 0.01 | ppm   | 0.1          | PASS      | ND     | SPIROTETRAMAT   | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| AZOXYSTROBIN                        | 0.01 | ppm   | 0.1          | PASS      | ND     | SPIROXAMINE   | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| BIFENAZATE                          | 0.01 | ppm   | 0.1          | PASS      | ND     | TEBUCONAZOLE  | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| BIFENTHRIN                          | 0.01 | ppm   | 0.1          | PASS      | ND     | THIACLOPRID   | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| BOSCALID                            | 0.01 | PPM   | 0.1          | PASS      | ND     | THIAMETHOXAM  | 0.01    | ppm               | 0.5                             | PASS      | ND     |
| CARBARYL                            | 0.01 | ppm   | 0.5          | PASS      | ND     | TRIFLOXYSTROBIN   | 0.01    | ppm               | 0.1                             | PASS      | ND     |
| CARBOFURAN                          | 0.01 | ppm   | 0.1          | PASS      | ND     | PENTACHLORONITROBENZENE (PCNB) *  | 0.01    | PPM               | 0.15                            | PASS      | ND     |
| CHLORANTRANILIPROLE                 | 0.01 | ppm   | 1            | PASS      | ND     | PARATHION-METHYL *  | 0.01    | PPM               | 0.1                             | PASS      | ND     |
| CHLORMEQUAT CHLORIDE                | 0.01 | ppm   | 1            | PASS      | ND     | CAPTAN *  | 0.07    | PPM               | 0.7                             | PASS      | ND     |
| CHLORPYRIFOS                        | 0.01 | ppm   | 0.1          | PASS      | ND     | CHLORDANE *   | 0.01    | PPM               | 0.1                             | PASS      | ND     |
| CLOFENTZINE                         | 0.01 | ppm   | 0.2          | PASS      | ND     | CHLORFENAPYR *  | 0.01    | PPM               | 0.1                             | PASS      | ND     |
| COUMAPHOS                           | 0.01 | ppm   | 0.1          | PASS      | ND     | CYFLUTHRIN *  | 0.05    | PPM               | 0.5                             | PASS      | ND     |
| DAMINOZIDE                          | 0.01 | ppm   | 0.1          | PASS      | ND     | CYPERMETHRIN *  | 0.05    | PPM               | 0.5                             | PASS      | ND     |
| DIAZINON                            | 0.01 | ppm   | 0.1          | PASS      | ND     |   |         |                   |                                 |           |        |
| DICHLORVOS                          | 0.01 | ppm   | 0.1          | PASS      | ND     | Analyzed by:  | Weight: | Extraction date:  | Extracted by:                   |           |        |
| DIMETHOATE                          | 0.01 | ppm   | 0.1          | PASS      | ND     | 3404, 3575, 3303, 1541  | 0.922g  | 06/23/22 12:18:43 | 3575                            |           |        |
| ETHOPROPHOS                         | 0.01 | ppm   | 0.1          | PASS      | ND     | Analysis Method : SOP.T.30.101.FL, SOP.T.30.102.FL, SOP.T.30.151.FL, SOP.T.40.101.FL, SOP.T.40.102.FL, SOP.T.40.151.FL  |         |                   |                                 |           |        |
| ETOFENPROX                          | 0.01 | ppm   | 0.1          | PASS      | ND     | Analytical Batch : GA045772PES  |         |                   | Reviewed On : 06/24/22 16:02:56 |           |        |
| ETOXAZOLE                           | 0.01 | ppm   | 0.1          | PASS      | ND     | Instrument Used : GA-LCMS-001 PES   |         |                   | Batch Date : 06/23/22 12:34:45  |           |        |
| FENHEXAMID                          | 0.01 | ppm   | 0.1          | PASS      | ND     | Running on : 06/23/22 15:19:52  |         |                   |                                 |           |        |
| FENOXYCARB                          | 0.01 | ppm   | 0.1          | PASS      | ND     | Dilution : 10   |         |                   |                                 |           |        |
| FENPYROXIMATE                       | 0.01 | ppm   | 0.1          | PASS      | ND     | Reagent : 060422.R38; 060422.R35; 061222.R01; 011122.06   |         |                   |                                 |           |        |
| FIPRONIL                            | 0.01 | ppm   | 0.1          | PASS      | ND     | Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 210268  |         |                   |                                 |           |        |
| FLONICAMID                          | 0.01 | ppm   | 0.1          | PASS      | ND     | Pipette : GA-151; GA-210 Dispenser  |         |                   |                                 |           |        |
| FLUDIOXONIL                         | 0.01 | ppm   | 0.1          | PASS      | ND     | Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39. |         |                   |                                 |           |        |
| HEXYTHIAZOX                         | 0.01 | ppm   | 0.1          | PASS      | ND     | Analyzed by:  | Weight: | Extraction date:  | Extracted by:                   |           |        |
| IMAZALIL                            | 0.01 | ppm   | 0.1          | PASS      | ND     | NA  | NA      | NA                | NA                              |           |        |
| IMIDACLOPRID                        | 0.01 | ppm   | 0.4          | PASS      | ND     | Analysis Method : SOP.T.30.060; SOP.T.40.060  |         |                   |                                 |           |        |
| KRESOXIM-METHYL                     | 0.01 | ppm   | 0.1          | PASS      | ND     | Analytical Batch : GA045845VOL  |         |                   | Reviewed On : 06/24/22 14:38:21 |           |        |
| MALATHION                           | 0.01 | ppm   | 0.2          | PASS      | ND     | Instrument Used : GA-GCMS-003   |         |                   | Batch Date : 06/23/22 12:56:52  |           |        |
| METALAXYL                           | 0.01 | ppm   | 0.1          | PASS      | ND     | Running on : 06/23/22 15:47:21  |         |                   |                                 |           |        |
| METHIOCARB                          | 0.01 | ppm   | 0.1          | PASS      | ND     | Dilution : 100  |         |                   |                                 |           |        |
| METHOMYL                            | 0.01 | ppm   | 0.1          | PASS      | ND     | Reagent : 061222.R01; 011122.06; 061522.R52   |         |                   |                                 |           |        |
| MEVINPHOS                           | 0.01 | ppm   | 0.1          | PASS      | ND     | Consumables : 947.271; 470228-424; 9291.271; LLS-00-0005; 210419634; 296055173; 944C4 944J; 210268; 206639; 55447-U.14725401  |         |                   |                                 |           |        |
| MYCLOBUTANIL                        | 0.01 | ppm   | 0.1          | PASS      | ND     | Pipette : GA-005; GA-151; GA-153; GA-210 Dispenser  |         |                   |                                 |           |        |
| NALED                               | 0.01 | ppm   | 0.25         | PASS      | ND     | Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry and Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39. |         |                   |                                 |           |        |
| OXAMYL                              | 0.01 | ppm   | 0.5          | PASS      | ND     |   |         |                   |                                 |           |        |
| PACLOBUTRAZOL                       | 0.01 | ppm   | 0.1          | PASS      | ND     |   |         |                   |                                 |           |        |
| PHOSMET                             | 0.01 | ppm   | 0.1          | PASS      | ND     |   |         |                   |                                 |           |        |
| PIPERONYL BUTOXIDE                  | 0.01 | ppm   | 3            | PASS      | ND     |   |         |                   |                                 |           |        |
| PRALLETHRIN                         | 0.01 | ppm   | 0.1          | PASS      | ND     |   |         |                   |                                 |           |        |





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 Batch# : LPC-172L-040922-2-  
 P2

Sampled : 06/23/22

Ordered : 06/23/22

Sample Size Received : 16 gram

Total Batch Size : 478 units

Completed : 06/25/22 Expires: 06/25/23

Sample Method : SOP.T.20.010

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## Residual Solvents

**PASSED**

| Solvents             | LOD  | Units | Action Level | Pass/Fail | Result |
|----------------------|------|-------|--------------|-----------|--------|
| METHANOL             | 25   | ppm   | 250          | PASS      | ND     |
| ETHANOL              | 500  | ppm   | 5000         | PASS      | ND     |
| PENTANES (N-PENTANE) | 75   | ppm   | 750          | PASS      | ND     |
| ETHYL ETHER          | 50   | ppm   | 500          | PASS      | ND     |
| ACETONE              | 75   | ppm   | 750          | PASS      | ND     |
| 2-PROPANOL           | 50   | ppm   | 500          | PASS      | ND     |
| ACETONITRILE         | 6    | ppm   | 60           | PASS      | ND     |
| DICHLOROMETHANE      | 12.5 | ppm   | 125          | PASS      | ND     |
| N-HEXANE             | 25   | ppm   | 250          | PASS      | ND     |
| ETHYL ACETATE        | 40   | ppm   | 400          | PASS      | ND     |
| BENZENE              | 0.1  | ppm   | 1            | PASS      | ND     |
| HEPTANE              | 500  | ppm   | 5000         | PASS      | ND     |
| TOLUENE              | 15   | ppm   | 150          | PASS      | ND     |
| PROPANE              | 500  | ppm   | 5000         | PASS      | ND     |
| CHLOROFORM           | 0.2  | ppm   | 2            | PASS      | ND     |
| 1,2-DICHLOROETHANE   | 0.2  | ppm   | 2            | PASS      | ND     |
| BUTANES (N-BUTANE)   | 500  | ppm   | 5000         | PASS      | ND     |
| ETHYLENE OXIDE       | 0.5  | ppm   | 5            | PASS      | ND     |
| 1,1-DICHLOROETHENE   | 0.8  | ppm   | 8            | PASS      | ND     |
| TRICHLOROETHYLENE    | 2.5  | ppm   | 25           | PASS      | ND     |

 Analyzed by:  
 NA

Weight:

 Extraction date:  
 NA

 Extracted by:  
 NA

Analysis Method : SOP.T.40.041.FL

Analytical Batch : GA045841SOL

Instrument Used : GA-GCMS-004 QP2020NX

Running on : 06/23/22 14:03:14

Reviewed On : 06/24/22 12:32:00

Batch Date : 06/23/22 12:15:10

Dilution : 1

Reagent :

Consumables : 27296; 854996

Pipette :

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.



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Batch# : LPC-172L-040922-2-P2

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Ordered : 06/23/22




Sample Size Received : 16 gram

Total Batch Size : 478 units

Completed : 06/25/22 Expires: 06/25/23

Sample Method : SOP.T.20.010

Page 5 of 6

| <div></div> <div>Microbial</div> <div>PASSED</div>   |      |       |             |             |              | <div></div> <div>Mycotoxins</div> <div>PASSED</div>  |                |                                    |                    |             |              |
|---|------|-------|-------------|-------------|--------------|---|----------------|------------------------------------|--------------------|-------------|--------------|
| Analyte   | LOD  | Units | Result      | Pass / Fail | Action Level | Analyte   | LOD            | Units                              | Result             | Pass / Fail | Action Level |
| ESCHERICHIA COLI SHIGELLA SPP   |      |       | Not Present | PASS        |              | AFLATOXIN B2  | 0.002          | ppm                                | ND                 | PASS        | 0.02         |
| SALMONELLA SPECIFIC GENE  |      |       | Not Present | PASS        |              | AFLATOXIN B1  | 0.002          | ppm                                | ND                 | PASS        | 0.02         |
| ASPERGILLUS FLAVUS  |      |       | Not Present | PASS        |              | OCHRATOXIN A  | 0.002          | ppm                                | ND                 | PASS        | 0.02         |
| ASPERGILLUS FUMIGATUS   |      |       | Not Present | PASS        |              | AFLATOXIN G1  | 0.002          | ppm                                | ND                 | PASS        | 0.02         |
| ASPERGILLUS TERREUS   |      |       | Not Present | PASS        |              | AFLATOXIN G2  | 0.002          | ppm                                | ND                 | PASS        | 0.02         |
| ASPERGILLUS NIGER   |      |       | Not Present | PASS        |              |   |                |                                    |                    |             |              |
| TOTAL YEAST AND MOLD  | 10   | CFU/g | <10         | PASS        | 100000       | Analyzed by: 3404, 3575, 3303, 1541   | Weight: 0.922g | Extraction date: 06/23/22 13:03:28 | Extracted by: 3575 |             |              |
| Analyzed by: 3404, 1790, 1541<br>Weight: 0.96g<br>Extraction date: 06/23/22 17:01:01<br>Extracted by: 1790<br>Analysis Method : SOP.T.40.041, SOP.T.40.043, SOP.T.40.045, SOP.T.40.056B, SOP.T.40.058.FL, SOP.T.40.208<br>Analytical Batch : GA045852MIC<br>Instrument Used : GA-TYM-001 Tempo Filler and Reader<br>Running on : 06/23/22 17:02:41<br>Dilution : 90<br>Reagent : 052622.09<br>Consumables : 2303260; 2303190; 2304090; 2304090; 61630-123C6-123E; GA-185; GA-213<br>Pipette : GA-154<br>Microbial testing is performed utilizing various technologies including: PCR, RTPCR, MPN, and traditional culture based techniques in accordance with F.S. Rule 64ER20-39..           |      |       |             |             |              | Analysis Method : SOP.T.30.101.FL, SOP.T.40.101.FL, SOP.T.30.102.FL, SOP.T.40.102.FL<br>Analytical Batch : GA045846MYC<br>Instrument Used : GA-LCMS-001 MYC<br>Running on : 06/23/22 15:19:56<br>Dilution :<br>Reagent : aflatoxin_b2; aflatoxin_b1; aflatoxin_g1; aflatoxin_g2<br>Consumables : 0.02; 0.02; 0.02; 0.02<br>Pipette :<br>Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.   |                |                                    |                    |             |              |
|   |      |       |             |             |              |   |                |                                    |                    |             |              |
| <div></div> <div>Heavy Metals</div> <div>PASSED</div>  |      |       |             |             |              |   |                |                                    |                    |             |              |
| Metal   | LOD  | Units | Result      | Pass / Fail | Action Level | Metal   | LOD            | Units                              | Result             | Pass / Fail | Action Level |
| ARSENIC   | 0.02 | PPM   | ND          | PASS        | 0.2          | ARSENIC   | 0.02           | PPM                                | ND                 | PASS        | 0.2          |
| CADMIUM   | 0.02 | PPM   | ND          | PASS        | 0.2          | CADMIUM   | 0.02           | PPM                                | ND                 | PASS        | 0.2          |
| MERCURY   | 0.02 | PPM   | ND          | PASS        | 0.2          | MERCURY   | 0.02           | PPM                                | ND                 | PASS        | 0.2          |
| LEAD  | 0.05 | PPM   | ND          | PASS        | 0.5          | LEAD  | 0.05           | PPM                                | ND                 | PASS        | 0.5          |
| Analyzed by: 3404, 3571, 3317, 3303<br>Weight: 0.499g<br>Extraction date: 06/23/22 12:21:59<br>Extracted by: 3571<br>Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL<br>Analytical Batch : GA045790HEA<br>Instrument Used : GA-ICPMS-002<br>Running on : 06/24/22 12:57:34<br>Dilution : 100<br>Reagent : 052422.R35; 062222.R63; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45<br>Consumables : GA-194; GA-195; CGR0114; 12400-133CD-133C; 210268; L2019501<br>Pipette : GA-012; GA-183; GA-193<br>Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39. |      |       |             |             |              | Analyzed by: 3404, 3571, 3317, 3303<br>Weight: 0.499g<br>Extraction date: 06/23/22 12:21:59<br>Extracted by: 3571<br>Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL<br>Analytical Batch : GA045790HEA<br>Instrument Used : GA-ICPMS-002<br>Running on : 06/24/22 12:57:34<br>Dilution : 100<br>Reagent : 052422.R35; 062222.R63; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45<br>Consumables : GA-194; GA-195; CGR0114; 12400-133CD-133C; 210268; L2019501<br>Pipette : GA-012; GA-183; GA-193<br>Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39. |                |                                    |                    |             |              |
| Analyzed by: NA<br>Weight: NA<br>Extraction date: NA<br>Extracted by: NA<br>Analysis Method : SOP.T.40.041<br>Analytical Batch : GA045853TYM<br>Instrument Used : GA-TYM-001 bioMérieux Tempo Filler and Reader<br>Running on : 06/23/22 17:05:22<br>Dilution : 90<br>Reagent : 052622.09<br>Consumables : 2304090; 2304090; 61630-123C6-123E; GA-185; GA-213<br>Pipette : GA-154<br>Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.   |      |       |             |             |              | Analyzed by: 3404, 3571, 3317, 3303<br>Weight: 0.499g<br>Extraction date: 06/23/22 12:21:59<br>Extracted by: 3571<br>Analysis Method : SOP.T.30.081.FL, SOP.T.30.082.FL, SOP.T.40.081.FL, SOP.T.40.082.FL<br>Analytical Batch : GA045790HEA<br>Instrument Used : GA-ICPMS-002<br>Running on : 06/24/22 12:57:34<br>Dilution : 100<br>Reagent : 052422.R35; 062222.R63; 010421.48; 061621.03; 041622.R02; 051622.R03; 041722.R01; 042022.R45<br>Consumables : GA-194; GA-195; CGR0114; 12400-133CD-133C; 210268; L2019501<br>Pipette : GA-012; GA-183; GA-193<br>Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39. |                |                                    |                    |             |              |



# 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 : GA20623002-003

Harvest/Lot ID: ORFCS162-2206-10059

Batch# : LPC-172L-040922-2-P2

Sampled : 06/23/22

Ordered : 06/23/22

Sample Size Received : 16 gram

Total Batch Size : 478 units

Completed : 06/25/22 Expires: 06/25/23

Sample Method : SOP.T.20.010

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**Filth/Foreign Material**
**PASSED**

| Analyte                    | LOD | Units | Result | P/F  | Action Level |
|----------------------------|-----|-------|--------|------|--------------|
| Filth and Foreign Material | 1   | %     | ND     | PASS | 5            |

|                                  |                     |                                       |                       |
|----------------------------------|---------------------|---------------------------------------|-----------------------|
| Analyzed by:<br>3404, 3571, 3303 | Weight:<br>15.4027g | Extraction date:<br>06/23/22 11:21:47 | Extracted by:<br>3571 |
|----------------------------------|---------------------|---------------------------------------|-----------------------|

Analysis Method : SOP.T.30.074, SOP.T.40.074

Analytical Batch : GA045836FIL

Instrument Used : GA-Filth/Foreign Material Microscope

Running on :

Reviewed On : 06/23/22 13:23:20

Batch Date : 06/23/22 11:20:40

Dilution : 1

Reagent :

Consumables :

Pipette :

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.


**Water Activity**
**PASSED**

| Analyte        | LOD | Units | Result | P/F  | Action Level |
|----------------|-----|-------|--------|------|--------------|
| Water Activity | 0.1 | aw    | 0.754  | PASS | 0.85         |

|                                  |                    |                                       |                       |
|----------------------------------|--------------------|---------------------------------------|-----------------------|
| Analyzed by:<br>3404, 3600, 3192 | Weight:<br>0.5205g | Extraction date:<br>06/23/22 13:02:03 | Extracted by:<br>3600 |
|----------------------------------|--------------------|---------------------------------------|-----------------------|

Analysis Method : SOP.T.40.019

Analytical Batch : GA045842WAT

Instrument Used : GA-203 Rotronic HygroPalm

Running on :

Reviewed On : 06/24/22 10:36:36

Batch Date : 06/23/22 12:38:41

Dilution : 1

Reagent :

Consumables : 107264

Pipette :

Water Activity is performed using a Rotronic HygroPalm HP 23-AW in accordance with F.S. Rule 64ER20-39.