

# CERTIFICATE OF ANALYSIS



Order #: 31756  
 Order Name: Stress Relief  
 Orin Spray CBD10  
 Batch#: Lot EBD18  
 Received: 05/30/2019  
 Completed: 06/10/2019



Safe Harbour Wellness, LLC.  
 3000 Meadow Lake Drive, Ste. 105  
 Birmingham, AL 35242  
 CS@safeharbourwellness.com  
 205.588.0928



## Sample



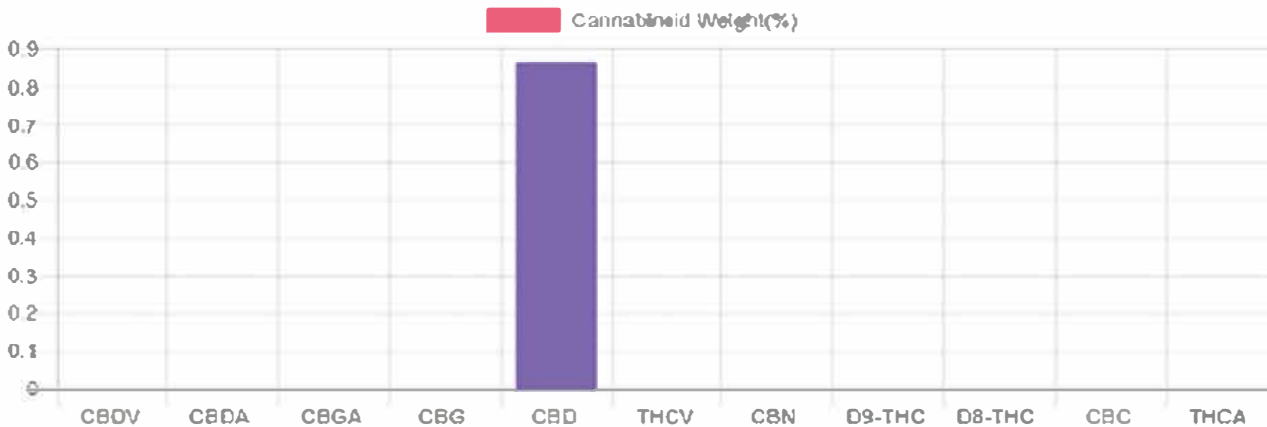
**ND**  
D9-THC

**0.864%**  
Total CBD

## Cannabinoids Test

GSL SOP 400      PREPARED: 05/30/2019 21:31:13      UPLOADED: 05/31/2019 17:02:48

| cannabinoids                 |        | weight(%)     | mg/g         |
|------------------------------|--------|---------------|--------------|
| DELTA-9-TETRAHYDROCANNABINOL | D9-THC | ND            | ND           |
| TETRAHYDROCANNABINOIC ACID   | THCA   | ND            | ND           |
| CANNABIDIOL                  | CBD    | 0.864%        | 8.640        |
| CANNABIDIOLIC ACID           | CBDa   | ND            | ND           |
| CANNABIVARIN                 | CBV    | ND            | ND           |
| CANNABICHRONENE              | CBc    | ND            | ND           |
| CANNABINOL                   | CBn    | ND            | ND           |
| CANNABIGEROI                 | CBG    | ND            | ND           |
| CANNABIGEROIC ACID           | CBGA   | ND            | ND           |
| DELTA-8-TETRAHYDROCANNABINOL | D8-THC | ND            | ND           |
| TETRAHYDROCANNABIVARIN       | THCV   | ND            | ND           |
| <b>TOTAL D9-THC</b>          |        | <b>ND</b>     | <b>ND</b>    |
| <b>TOTAL CBD*</b>            |        | <b>0.864%</b> | <b>8.640</b> |
| <b>TOTAL CANNABINOIDS</b>    |        | <b>0.864%</b> | <b>8.640</b> |



Reporting Limit: 10 ppm  
 \*Total CBD = CBD + CBDa x 0.877  
 ND - Not Detected, BULO - Below Limit of Quantification

## Notes

69mg cannabinoids per 8mL



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*Dylan Swart*  
 Dylan Swart, Lab Director

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# CERTIFICATE OF ANALYSIS



Order #: 31756  
 Order Name: Stress Relief  
 8ml Spray EBO18  
 Batch#: Lot EBO18  
 Received: 05/30/2019  
 Completed: 06/10/2019



Safe Harbour Wellness, LLC.  
 3000 Meadow Lake Drive, Ste. 105  
 Birmingham, AL 35242  
 CS@safeharbourwellness.com  
 205.588.0928



## Microbial Analysis:

Microbial Analysis GSL SOP 406

Uploaded: 06/03/2019 01:17:22

| PCR - Agilent AriaMX Test | Test Method Used | Device Used | LOD               | Allowable Amount  | Actual Result   | Pass/Fail |
|---------------------------|------------------|-------------|-------------------|-------------------|-----------------|-----------|
| STEC E. COLI*             | USP 61/62†       | ARIAMX PCR  | 2 COPIES OF DNA   | PRESENCE / ABSENT | BELOW LOD       | PASS      |
| SALMONELLA*               | USP 61/62†       | ARIAMX PCR  | 5 COPIES OF DNA   | PRESENCE / ABSENT | BELOW LOD       | PASS      |
| ASPERGILLUS               | USP 61/62†       | ARIAMX PCR  | ASP_LOD***        | PRESENCE / ABSENT | BELOW LOD       | PASS      |
| YEAST AND MOLD            | USP 61/62†       | ARIAMX PCR  | 353.05518 CFU/G** | 1,000             | BELOW THRESHOLD | PASS      |
| TOTAL AEROBIC BACTERIA    | USP 61/62†       | ARIAMX PCR  | 0.25316 CFU/G**   | 10,000            | BELOW THRESHOLD | PASS      |
| COLIFORM                  | USP 61/62†       | ARIAMX PCR  | 3.41539 CFU/G**   | 100               | BELOW THRESHOLD | PASS      |
| ENTEROBACTERIAEAE         | USP 61/62†       | ARIAMX PCR  | 0.32951 CFU/G**   | 100               | BELOW THRESHOLD | PASS      |

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (enumerating specific species E.coli, Aspergillus etc)

\* STEC and Salmonella is run as Multiple

\*\* CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

\*\*\* Presence = 2 Copies of DNA / Fungi/g = 2 Copies of DNA Nigra = 20 Copies of DNA / Termis = 10 copies of DNA



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Dylan Swart, Lab Director

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# CERTIFICATE OF ANALYSIS



Order #: 34222  
 Order Name: CBD Isolate  
 Batch#: 070519  
 Received: 08/01/2019  
 Completed: 08/05/2019



Safe Harbour Wellness, LLC.  
 3000 Meadow Lake Drive, Ste 105  
 Birmingham, Al, 35242  
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 Phone: 205-588-0928



## Sample



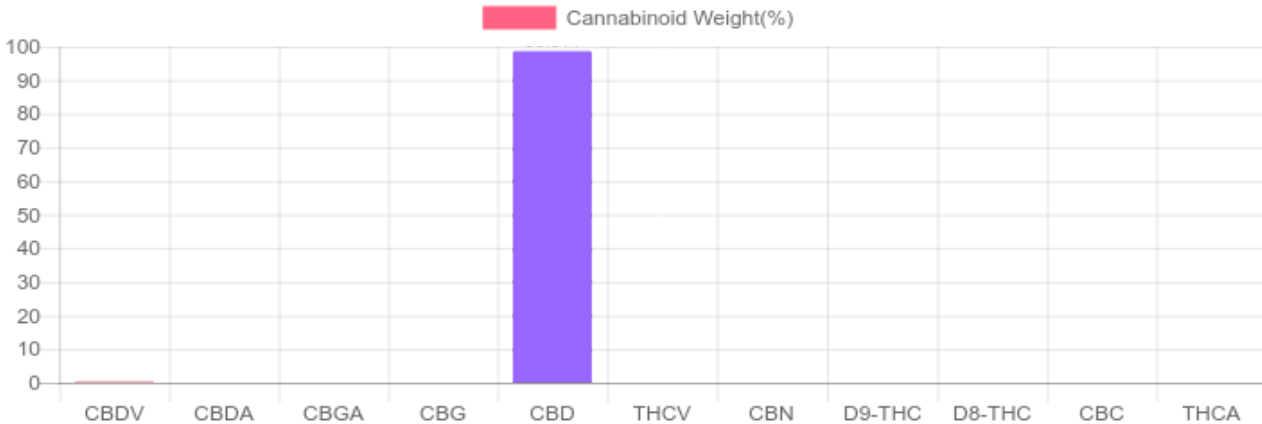
**N/D**  
D9-THC

**98.614%**  
Total CBD

## Cannabinoids Test

SHIMADZU INTEGRATED UPLC-PDA  
 GSL SOP 400      **PREPARED:** 08/01/2019 21:04:24      **UPLOADED:** 08/05/2019 17:05:02

| Cannabinoids       | LOQ    | weight(%)      | mg/g           |
|--------------------|--------|----------------|----------------|
| D9-THC             | 10 PPM | N/D            | N/D            |
| THCA               | 10 PPM | N/D            | N/D            |
| CBD                | 10 PPM | <b>98.614%</b> | <b>986.143</b> |
| CBDA               | 20 PPM | N/D            | N/D            |
| CBDV               | 20 PPM | <b>0.257%</b>  | <b>2.575</b>   |
| CBC                | 10 PPM | N/D            | N/D            |
| CBN                | 10 PPM | N/D            | N/D            |
| CBG                | 10 PPM | N/D            | N/D            |
| CBGA               | 20 PPM | N/D            | N/D            |
| D8-THC             | 10 PPM | N/D            | N/D            |
| THCV               | 10 PPM | N/D            | N/D            |
| TOTAL D9-THC       |        | <b>N/D</b>     | <b>N/D</b>     |
| TOTAL CBD*         |        | <b>98.614%</b> | <b>986.143</b> |
| TOTAL CANNABINOIDS |        | <b>98.871%</b> | <b>988.718</b> |



Reporting Limit 10 ppm  
 \*Total CBD = CBD + CBDA x 0.877  
 N/D - Not Detected, B/LOQ - Below Limit of Quantification



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*Dr. Andrew Hall*  
 Dr. Andrew Hall, Ph.D., CSO & Lab Director

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# CERTIFICATE OF ANALYSIS



Order #: 34222  
 Order Name: CBD Isolate  
 Batch#: 070519  
 Received: 08/01/2019  
 Completed: 08/05/2019



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## PESTICIDE ANALYSIS:

GSL SOP 401

PREPARED: 08/01/2019 22:28:25

UPLOADED: 08/02/2019 21:08:03

GCMS-MS - Shimadzu GCMS-TQ8040

| Pesticide    | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------|--------------------|---------------|-----------|-----------|
| CAPTAN       | 0.700              | N/D           | 0.003     | 0.001     |
| CHLORDANE    | 0.100              | N/D           | 0.003     | 0.001     |
| CHLORFENAPYR | 0.100              | N/D           | 0.003     | 0.001     |
| COUMAPHOS    | 0.100              | N/D           | 0.003     | 0.001     |

| Pesticide               | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------------|--------------------|---------------|-----------|-----------|
| CYFLUTHRIN              | 2.000              | N/D           | 0.003     | 0.001     |
| CYPERMETHRIN            | 1.000              | N/D           | 0.003     | 0.001     |
| PARATHION-METHYL        | 0.100              | N/D           | 0.003     | 0.001     |
| PENTACHLORONITROBENZENE | 0.100              | N/D           | 0.003     | 0.001     |

LCMS-MS - Shimadzu LCMS-8060

| Pesticide           | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|---------------------|--------------------|---------------|-----------|-----------|
| ABAMECTIN B1A       | 0.100              | N/D           | 0.005     | 0.001     |
| ACEPHATE            | 0.100              | N/D           | 0.001     | 0.001     |
| ACEQUINOCYL         | 0.100              | N/D           | 0.001     | 0.001     |
| ACETAMIPRID         | 0.100              | N/D           | 0.005     | 0.001     |
| ALDICARB            | 0.100              | N/D           | 0.005     | 0.001     |
| AZOXYSTROBIN        | 0.100              | N/D           | 0.001     | 0.001     |
| BIFENAZATE          | 0.100              | N/D           | 0.005     | 0.001     |
| BIFENTHRIN          | 3.000              | N/D           | 0.005     | 0.001     |
| BOSCALID            | 0.100              | N/D           | 0.005     | 0.001     |
| CARBARYL            | 0.500              | N/D           | 0.003     | 0.001     |
| CARBOFURAN          | 0.100              | N/D           | 0.001     | 0.001     |
| CHLORANTRANILIPROLE | 10.000             | N/D           | 0.005     | 0.005     |
| CHLORPYRIFOS        | 0.100              | N/D           | 0.001     | 0.001     |
| CLOFENTEZINE        | 0.100              | N/D           | 0.001     | 0.001     |
| DAMINOZIDE          | 0.100              | N/D           | 0.005     | 0.001     |
| DIAZANON            | 0.100              | N/D           | 0.001     | 0.001     |
| DICHLORVOS          | 0.100              | N/D           | 0.005     | 0.001     |
| DIMETHOATE          | 0.100              | N/D           | 0.001     | 0.001     |
| DIMETHOMORPH        | 2.000              | N/D           | 0.005     | 0.001     |
| ETHOPROPHOS         | 0.100              | N/D           | 0.001     | 0.001     |
| ETOFENPROX          | 0.100              | N/D           | 0.001     | 0.001     |
| ETOXAZOLE           | 0.100              | N/D           | 0.010     | 0.005     |
| FENHEXAMID          | 0.100              | N/D           | 0.005     | 0.001     |
| FENOXYCARB          | 0.100              | N/D           | 0.005     | 0.001     |
| FENPYROXIMATE       | 0.100              | N/D           | 0.001     | 0.001     |
| FIPRONIL            | 0.100              | N/D           | 0.003     | 0.001     |
| FLONICAMID          | 0.100              | N/D           | 0.025     | 0.010     |
| FLUDIOXONIL         | 0.100              | N/D           | 0.003     | 0.001     |
| HEXYTHIAZOX         | 0.100              | N/D           | 0.005     | 0.001     |

| Pesticide                | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|--------------------------|--------------------|---------------|-----------|-----------|
| IMAZALIL                 | 0.100              | N/D           | 0.005     | 0.001     |
| IMIDACLOPRID             | 5.000              | N/D           | 0.005     | 0.001     |
| KRESOXIM-METHYL          | 0.100              | N/D           | 0.010     | 0.005     |
| MALATHION                | 0.500              | N/D           | 0.005     | 0.001     |
| METALAXYL                | 2.000              | N/D           | 0.001     | 0.001     |
| METHIOCARB               | 0.100              | N/D           | 0.005     | 0.001     |
| METHOMYL                 | 1.000              | N/D           | 0.001     | 0.001     |
| MEVINPHOS                | 0.100              | N/D           | 0.001     | 0.001     |
| MYCLOBUTANIL             | 0.100              | N/D           | 0.005     | 0.001     |
| NALED                    | 0.100              | N/D           | 0.005     | 0.001     |
| OXAMYL                   | 0.500              | N/D           | 0.001     | 0.001     |
| PACLOBUTRAZOL            | 0.100              | N/D           | 0.005     | 0.001     |
| PERMETHRINS              | 0.500              | N/D           | 0.005     | 0.001     |
| PHOSMET                  | 0.100              | N/D           | 0.005     | 0.001     |
| PIPERONYL                | 3.000              | N/D           | 0.001     | 0.001     |
| BUTOXIDE                 | 0.100              | N/D           | 0.005     | 0.005     |
| PRALLETHRIN              | 0.100              | N/D           | 0.010     | 0.005     |
| PROPICONAZOLE            | 0.100              | N/D           | 0.001     | 0.001     |
| PROPOXUR                 | 0.100              | N/D           | 0.001     | 0.001     |
| PYRETHRINS (PYRETHRIN I) | 0.500              | N/D           | 0.005     | 0.005     |
| PYRIDABEN                | 0.100              | N/D           | 0.005     | 0.001     |
| SPINETORAM               | 0.100              | N/D           | 0.001     | 0.001     |
| SPINOSAD                 | 0.100              | N/D           | 0.001     | 0.001     |
| SPIROMESIFEN             | 0.100              | N/D           | 0.005     | 0.001     |
| SPIROTETRAMAT            | 0.100              | N/D           | 0.001     | 0.001     |
| SPIROXAMINE              | 0.100              | N/D           | 0.001     | 0.001     |
| TEBUCONAZOLE             | 0.100              | N/D           | 0.005     | 0.001     |
| THIACLOPRID              | 0.100              | N/D           | 0.001     | 0.001     |
| THIAMETHOXAM             | 5.000              | N/D           | 0.001     | 0.001     |
| TRIFLOXYSTROBIN          | 0.100              | N/D           | 0.001     | 0.001     |

N/D = Not Detected, A/LOQ = Above LOQ Level, B/LOQ = Below LOQ Level, B/LOD = Below LOD Level



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Order #: 34222  
Order Name: CBD Isolate  
Batch#: 070519  
Received: 08/01/2019  
Completed: 08/05/2019



Safe Harbour Wellness, LLC.  
3000 Meadow Lake Drive, Ste 105  
Birmingham, Al, 35242  
Email: CS@safeharbourwellness.com  
Phone: 205-588-0928



## RESIDUAL SOLVENTS:

Headspace GCMS - Shimadzu GCMS QP2020 with HS20

GSL SOP 405

Prepared: 08/01/2019 23:29:10

Uploaded: 08/05/2019 16:00:34

| Residual Solvent  | Action Level (ppm) | Results (ppm) | LOQ (ppm) | LOD (ppm) |
|-------------------|--------------------|---------------|-----------|-----------|
| ACETONE           | 5,000              | N/D           | 140       | 20        |
| ACETONITRILE      | 410                | N/D           | 25        | 1         |
| BENZENE           | 1                  | N/D           | 1         | 0.5       |
| BUTANE            | 5,000              | N/D           | 50        | 10        |
| CHLOROFORM        | 1                  | N/D           | 1         | 0.5       |
| DICHLOROETHANE    | 1                  | N/D           | 1         | 0.5       |
| DICHLOROMETHANE   | 1                  | N/D           | 1         | 0.5       |
| ETHANOL           | 5,000              | N/D           | 140       | 20        |
| ETHYL ACETATE     | 5,000              | N/D           | 140       | 20        |
| ETHYL ETHER       | 5,000              | N/D           | 140       | 20        |
| ISOPROPYL ALCOHOL | 5,000              | N/D           | 140       | 20        |
| METHANOL          | 3,000              | N/D           | 100       | 20        |
| N-HEPTANE         | 5,000              | N/D           | 140       | 20        |
| N-HEXANE          | 290                | N/D           | 18        | 10        |
| PENTANE           | 5,000              | B/LOQ         | 140       | 20        |
| PROPANE           | 5,000              | N/D           | 20        | 1         |
| TOLUENE           | 890                | N/D           | 53        | 1         |
| TRICHLOROETHENE   | 0                  | N/D           | 0         | 0         |
| XYLENES           | 2,170              | N/D           | 130       | 20        |



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## Mycotoxin Analysis:

LC-MS - Shimadzu LCMS-8060  
 GSL SOP 401

Uploaded: 08/02/2019 18:00:18

| Analyte      | Action Lvl (ppb) | Results (ppb) |
|--------------|------------------|---------------|
| AFLATOXIN B1 | 20               | N/D           |
| AFLATOXIN B2 | 20               | N/D           |
| AFLATOXIN G1 | 20               | N/D           |
| AFLATOXIN G2 | 20               | N/D           |
| OCHRATOXIN A | 20               | N/D           |

LOQ is 4ppb, LOD is 1ppb

## Microbial Analysis:

PCR - Agilent AriaMX

| Test                   | Test Method Used | Device Used | LOD               | Allowable Criteria | Actual Result   | Pass/Fail |
|------------------------|------------------|-------------|-------------------|--------------------|-----------------|-----------|
| STEC E.COLI*           | USP 61/62†       | ARIAMX PCR  | 2 COPIES OF DNA   | PRESENCE / ABSENT  | BELOW LOD       | PASS      |
| SALMONELLA*            | USP 61/62†       | ARIAMX PCR  | 5 COPIES OF DNA   | PRESENCE / ABSENT  | BELOW LOD       | PASS      |
| ASPERGILLUS            | USP 61/62†       | ARIAMX PCR  | ASP_LOD***        | PRESENCE / ABSENT  | BELOW LOD       | PASS      |
| YEAST AND MOLD         | USP 61/62†       | ARIAMX PCR  | 363.05518 CFU/G** | 1,000              | BELOW THRESHOLD | PASS      |
| TOTAL AEROBIC BACTERIA | USP 61/62†       | ARIAMX PCR  | 0.25316 CFU/G**   | 10,000             | BELOW THRESHOLD | PASS      |
| COLIFORM               | USP 61/62†       | ARIAMX PCR  | 3.41539 CFU/G**   | 100                | BELOW THRESHOLD | PASS      |
| ENTEROBACTERIACEAE     | USP 61/62†       | ARIAMX PCR  | 0.32951 CFU/G**   | 100                | BELOW THRESHOLD | PASS      |

† USP 61 (enumeration of bacteria TAC, TYM, and ENT/Coliform), USP 62 (identifying specific species E.coli Aspergillus etc)

\* STEC and Salmonella run as Multiplex

\*\* CFU/g Calculation based on Select Category Type Gummy MIP/Extract Flower matrix

\*\*\* Flavus = 2 Copies of DNA / Fumigatis = 2 Copies of DNA Niger = 20 Copies of DNA / Terrus = 10 copies of DNA

## Water Activity:

HD-3A Water Activity Meter - GSL SOP 407

Uploaded: 08/01/2019 20:49:13

### Water

0.72

## Filth and Foreign Materials Analysis:

Microscope - Amscope Simul-Focal Trinocular Stereo Zoom Microscope - GSL SOP 409

Uploaded: 08/05/2019 17:07:03

Pass: No Foreign Materials Detected



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