



Product Analysis  
Batch No. 20065

600 mg (20 mg/mL) Wises Landing CBD Oil w/ TerpEnhance Formula

|                      |   |
|----------------------|---|
| Product Description: | 1.02 fl ounce (30 mL) of 20 mg/mL CBD Oil, Mint Flavor  |
| Formulation Date:    | 7/23/2020   |
| Expiration Date:     | 07/2022   |
| Country of Origin    | United States   |
| Storage:             | Store in a cool, dry place away from light. Do not use if safety seal is broken.  |
| Packaging:           | 1.02 oz (30 mL) glass amber bottle with calibrated pipette.   |
| Disclaimers:         | Keep out of reach of children. No to be used during pregnancy or lactation. Please consult a physician before taking if you have a medical condition or are currently taking other medications.   |
| Safety Warning:      | This product has not been evaluated by the United States Food and Drug Administration (FDA) and is not intended to diagnose, treat, cure or prevent any disease. This product contains no detectable delta-9 THC, compliant with the Federal Farm Bill. |

Batch Information

|                    |        |
|--------------------|--------|
| Batch Size:        | 18.3 L |
| Quantity Produced: | 610    |

Test Results Summary

Cannabinoids

| Cannabinoid        | 30 mL Total (mg) | Weight Percentage (%) | Concentration (mg/mL) |
|--------------------|------------------|-----------------------|-----------------------|
| Total CBD          | 723.5            | 2.24%                 | 24.1                  |
| Total THC          | ND               | ND                    | ND                    |
| Total Cannabinoids | 884.8            | 2.74%                 | 29.5                  |
| Total Terpenes     | 986.7            | 3.06%                 | 32.9                  |

Other Testing

|                    |               |                        |               |
|--------------------|---------------|------------------------|---------------|
| Residual Solvents: | None Detected | Salmonella:            | None Detected |
| Heavy Metals:      | None Detected | Escherichia coli:      | None Detected |
| Pesticides:        | None Detected | Aspergillus:           | None Detected |
| Mycotoxins:        | None Detected | Listeria spp.          | None Detected |
| Yeast/Mold         | None Detected | Listeria monocytogenes | None Detected |



# CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

## Certificate of Analysis

**Customer:**

Pharm CBD

2580 Highway 42 West

Bedford, KY 40006

Collected Date:

Received Date: **7/24/2020**

COA Released: **7/30/2020**

Comments:

Sample ID: **200724005**

Order Number: **CB200724002**

Sample Name: **20065-1**

External Sample ID:

Batch Number: **20065**

Product Type: **Concentrate**

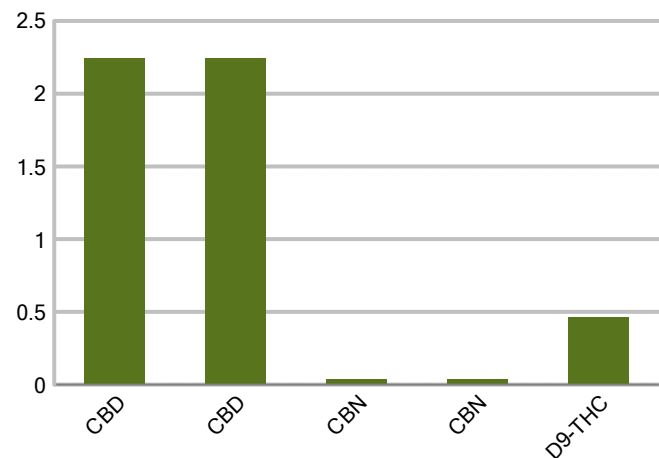
Sample Type: **Concentrate**

## CANNABINOID PROFILE

| Analyte                    | LOQ (%) | % weight     | mg/g         |
|----------------------------|---------|--------------|--------------|
| CBC                        | 0.01    | ND           | ND           |
| CBD                        | 0.01    | 2.243        | 22.43        |
| CBDa                       | 0.01    | ND           | ND           |
| CBDV                       | 0.01    | ND           | ND           |
| CBG                        | 0.01    | ND           | ND           |
| CBGa                       | 0.01    | ND           | ND           |
| CBN                        | 0.01    | 0.039        | 0.390        |
| d8-THC                     | 0.01    | ND           | ND           |
| d9-THC                     | 0.01    | ND           | ND           |
| THCa                       | 0.01    | ND           | ND           |
| <b>Total Cannabinoids</b>  |         | <b>2.282</b> | <b>22.82</b> |
| <b>Total Potential THC</b> |         | <b>N/A</b>   | <b>N/A</b>   |
| <b>Total Potential CBD</b> |         | <b>2.243</b> | <b>22.43</b> |
| <b>Total Potential CBG</b> |         | <b>N/A</b>   | <b>N/A</b>   |



Cannabinoids (% weight)



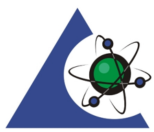
**Ratio of Total Potential CBD to Total Potential THC** **N/A**

**Ratio of Total Potential CBG to Total Potential THC** **N/A**

*\*Total Cannabinoids refers to the sum of all cannabinoids detected.*

*\*Total Potential CBD = (0.877 x CBDa) + CBD. \*Total Potential THC = (0.877 x THCa) + THC. \*Total Potential CBG = (0.877 x CBGa) + CBG.*

*\*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.*



PJLA  
Testing  
Accreditation #109588

Authorized Signature

  
Laboratory Manager

Jamie Hobgood

07/30/2020 9:05 AM

DATE

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CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509



Sample ID: 200724005  
Sample Name: 20065-1  
Sample Type: Concentrate

## Certificate of Analysis

### Customer

Pharm CBD  
2580 Highway 42 West  
Bedford, KY 40006



### Overall Batch Results

**PASS**

|                                 |                                  |
|---------------------------------|----------------------------------|
| Pesticide<br><b>PASS</b>        | Moisture Content<br><b>PASS</b>  |
| Potency<br><b>PASS</b>          | Water Activity<br><b>PASS</b>    |
| Mycotoxins<br><b>PASS</b>       | Heavy Metals<br><b>PASS</b>      |
| Microbial Screen<br><b>PASS</b> | Residual Solvents<br><b>PASS</b> |
| Terpenoids<br><b>PASS</b>       |                                  |

Sample Name: 20065-1

Sample ID: 200724005

Product Type: Concentrate

Sample Type: Concentrate

Collected Date:

Received Date: 07/24/2020

Batch Number:

Batch Size:

Sample Size:

COA released:

### Potency (mg/g)

Date Tested: 07/24/2020

Method:

Instrument:

|                |                |                    |                    |
|----------------|----------------|--------------------|--------------------|
| <b>0.000 %</b> | <b>2.243 %</b> | <b>2.282 %</b>     | <b>22.82 mg/g</b>  |
| Total THC      | Total CBD      | Total Cannabinoids | Total Cannabinoids |

| Analyte                            | Result | Units | LOQ   | Result | Units |
|------------------------------------|--------|-------|-------|--------|-------|
| CBC (Cannabichromene)              | ND     | %     | 0.010 | ND     | mg/g  |
| CBD (Cannabidiol)                  | 2.243  | %     | 0.010 | 22.43  | mg/g  |
| CBDa (Cannabidiolic Acid)          | ND     | %     | 0.010 | ND     | mg/g  |
| CBDV (Cannabidivarin)              | ND     | %     | 0.010 | ND     | mg/g  |
| CBG (Cannabigerol)                 | ND     | %     | 0.010 | ND     | mg/g  |
| CBGa (Cannabigerolic Acid)         | ND     | %     | 0.010 | ND     | mg/g  |
| CBN (Cannabinol)                   | 0.039  | %     | 0.010 | 0.390  | mg/g  |
| D8-THC (D8-Tetrahydrocannabinol)   | ND     | %     | 0.010 | ND     | mg/g  |
| D9-THC (D9-Tetrahydrocannabinol)   | ND     | %     | 0.010 | ND     | mg/g  |
| THCa (Tetrahydrocannabinolic Acid) | ND     | %     | 0.010 | ND     | mg/g  |

### Foreign Material

Result Note

Date Tested: 07/24/2020

Absence

### Water Activity

Result Units

LOQ

Result

Date Tested: 07/27/2020

0.276 Aw

0.030

Pass

### Terpenoids

Date Tested: 07/27/2020

Method:

Instrument:

| Analyte                       | Result | Unit | LOQ   | Result | Unit |
|-------------------------------|--------|------|-------|--------|------|
| alpha-Bisabolol               | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| alpha-humulene                | 0.299  | mg/g | 0.100 | 0.0299 | %    |
| alpha-pinene                  | 14.13  | mg/g | 0.100 | 1.4130 | %    |
| alpha-terpinene               | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| beta-caryophyllene            | 7.210  | mg/g | 0.100 | 0.7210 | %    |
| Beta-myrcene                  | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Beta-pinene                   | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| cis-Nerolidol                 | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Camphene                      | 0.129  | mg/g | 0.100 | 0.0129 | %    |
| d-Limonene                    | 8.821  | mg/g | 0.100 | 0.8821 | %    |
| delta-3-Carene                | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Eucalyptol                    | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| gamma-Terpinene               | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Geraniol                      | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Guaiol                        | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Isopulegol                    | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Linalool                      | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Ocimene (mixture of isomers)  | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| p-Isopropyltoluene (p-Cymene) | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| trans-beta-Ocimene            | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| trans-Nerolidol               | <LOQ   | mg/g | 0.100 | <LOQ   | %    |
| Terpinolene                   | <LOQ   | mg/g | 0.100 | <LOQ   | %    |

### Pesticides

Date Tested: 07/27/2020

Method:

Instrument:

| Analyte      | Result | Units | LOQ   | Result | Analyte             | Result | Units | LOQ   | Result |
|--------------|--------|-------|-------|--------|---------------------|--------|-------|-------|--------|
| Acephate     | ND     | ppm   | 0.050 | Pass   | Acetamiprid         | ND     | ppm   | 0.050 | Pass   |
| Aldicarb     | ND     | ppm   | 0.050 | Pass   | Azoxystrobin        | ND     | ppm   | 0.050 | Pass   |
| Bifenazate   | ND     | ppm   | 0.050 | Pass   | Bifenthrin          | ND     | ppm   | 0.050 | Pass   |
| Boscalid     | ND     | ppm   | 0.050 | Pass   | Carbaryl            | ND     | ppm   | 0.050 | Pass   |
| Carbofuran   | ND     | ppm   | 0.050 | Pass   | Chlorantraniliprole | ND     | ppm   | 0.050 | Pass   |
| Chlorpyrifos | ND     | ppm   | 0.050 | Pass   | Clofentezine        | ND     | ppm   | 0.050 | Pass   |
| Coumaphos    | ND     | ppm   | 0.050 | Pass   | Daminozide          | ND     | ppm   | 0.050 | Pass   |
| Diazinon     | ND     | ppm   | 0.050 | Pass   | Dichlorvos          | ND     | ppm   | 0.050 | Pass   |
| Dimethoate   | ND     | ppm   | 0.050 | Pass   | Etofenprox          | ND     | ppm   | 0.050 | Pass   |
| Etoazole     | ND     | ppm   | 0.050 | Pass   | Fenhexamid          | ND     | ppm   | 0.050 | Pass   |
| Fenoxycarb   | ND     | ppm   | 0.050 | Pass   | Fenpyroximate       | ND     | ppm   | 0.050 | Pass   |

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Sample ID: 200724005  
Sample Name: 20065-1  
Sample Type: Concentrate

## Certificate of Analysis

| Pesticides              |  |         |  |             |  |  |  |
|-------------------------|--|---------|--|-------------|--|--|--|
| Date Tested: 07/27/2020 |  | Method: |  | Instrument: |  |  |  |

| Analyte       | Result | Units | LOQ   | Result | Analyte            | Result | Units | LOQ   | Result |
|---------------|--------|-------|-------|--------|--------------------|--------|-------|-------|--------|
| Fipronil      | ND     | ppm   | 0.050 | Pass   | Fonicamid          | ND     | ppm   | 0.050 | Pass   |
| Fludioxonil   | ND     | ppm   | 0.050 | Pass   | Hexythiazox        | ND     | ppm   | 0.050 | Pass   |
| Imazalil      | ND     | ppm   | 0.050 | Pass   | Imidacloprid       | ND     | ppm   | 0.050 | Pass   |
| Malathion     | ND     | ppm   | 0.050 | Pass   | Metalaxyl          | ND     | ppm   | 0.050 | Pass   |
| Methiocarb    | ND     | ppm   | 0.050 | Pass   | Methomyl           | ND     | ppm   | 0.050 | Pass   |
| Myclobutanil  | ND     | ppm   | 0.050 | Pass   | Naled              | ND     | ppm   | 0.050 | Pass   |
| Oxamyl        | ND     | ppm   | 0.050 | Pass   | Paclobutrazol      | ND     | ppm   | 0.050 | Pass   |
| Phosmet       | ND     | ppm   | 0.050 | Pass   | Prallethrin        | ND     | ppm   | 0.050 | Pass   |
| Propiconazole | ND     | ppm   | 0.050 | Pass   | Propoxur           | ND     | ppm   | 0.050 | Pass   |
| Pyrethrin I   | ND     | ppm   | 0.050 | Pass   | Pyrethrin II       | ND     | ppm   | 0.050 | Pass   |
| Pyridaben     | ND     | ppm   | 0.050 | Pass   | Spinetoram         | ND     | ppm   | 0.050 | Pass   |
| Spiromesifen  | ND     | ppm   | 0.050 | Pass   | Spirotetramat      | ND     | ppm   | 0.050 | Pass   |
| Tebuconazole  | ND     | ppm   | 0.050 | Pass   | Thiacloprid        | ND     | ppm   | 0.050 | Pass   |
| Thiamethoxam  | ND     | ppm   | 0.050 | Pass   | Trifloxystrobin    | ND     | ppm   | 0.050 | Pass   |
| Ethoprophos   | ND     | ppm   | 0.050 | Pass   | Kresoxym-methyl    | ND     | ppm   | 0.050 | Pass   |
| Permethrins   | ND     | ppm   | 0.050 | Pass   | Piperonyl Butoxide | ND     | ppm   | 0.050 | Pass   |
| Spinosyn A    | ND     | ppm   | 0.050 | Pass   | Spiroxamine-1      | ND     | ppm   | 0.050 | Pass   |
| AbamectinB1a  | ND     | ppm   | 0.050 | Pass   | Spinosyn D         | ND     | ppm   | 0.050 | Pass   |

| Moisture Content        |  |         |  |             |  |  |  |
|-------------------------|--|---------|--|-------------|--|--|--|
| Date Tested: 07/28/2020 |  | Method: |  | Instrument: |  |  |  |

| Analyte          | Result | Units | LOQ   | Result | Analyte | Result | Units | LOQ | Result |
|------------------|--------|-------|-------|--------|---------|--------|-------|-----|--------|
| Percent Moisture | 8      | %     | 0.010 | Pass   |         |        |       |     |        |

| Mycotoxins              |  |         |  |             |  |  |  |
|-------------------------|--|---------|--|-------------|--|--|--|
| Date Tested: 07/27/2020 |  | Method: |  | Instrument: |  |  |  |

| Analyte      | Result | Units | LOQ   | Result | Analyte      | Result | Units | LOQ   | Result |
|--------------|--------|-------|-------|--------|--------------|--------|-------|-------|--------|
| Ochratoxin A | ND     | ppm   | 0.050 | Pass   | Aflatoxin B1 | ND     | ppm   | 0.050 | Pass   |
| Aflatoxin G2 | ND     | ppm   | 0.050 | Pass   | Aflatoxin B2 | ND     | ppm   | 0.050 | Pass   |
| Aflatoxin G1 | ND     | ppm   | 0.050 | Pass   |              |        |       |       |        |

| Metals                  |  |         |  |             |  |  |  |
|-------------------------|--|---------|--|-------------|--|--|--|
| Date Tested: 07/28/2020 |  | Method: |  | Instrument: |  |  |  |

| Analyte | Result | Units | LOQ   | Result | Analyte | Result | Units | LOQ   | Result |
|---------|--------|-------|-------|--------|---------|--------|-------|-------|--------|
| Arsenic | <LOQ   | ppm   | 0.500 | Pass   | Cadmium | <LOQ   | ppm   | 0.500 | Pass   |
| Lead    | <LOQ   | ppm   | 0.500 | Pass   | Mercury | <LOQ   | ppm   | 3.000 | Pass   |

| Microbial               |  |         |  |             |  |  |  |
|-------------------------|--|---------|--|-------------|--|--|--|
| Date Tested: 07/28/2020 |  | Method: |  | Instrument: |  |  |  |

| Analyte        | Result   | Units | LOQ | Result | Analyte          | Result   | Units | LOQ | Result |
|----------------|----------|-------|-----|--------|------------------|----------|-------|-----|--------|
| STEC (E. coli) | Negative |       |     | Pass   | Salmonella       | Negative |       |     | Pass   |
| Listeria spp.  | Negative |       |     | Pass   | L. monocytogenes | Negative |       |     | Pass   |
| Yeast/Mold     | 0        | CFUs  |     | Pass   |                  |          |       |     |        |

| Residual Solvent        |  |         |  |             |  |  |  |
|-------------------------|--|---------|--|-------------|--|--|--|
| Date Tested: 07/27/2020 |  | Method: |  | Instrument: |  |  |  |

| Analyte     | Result | Units | LOQ | Result | Analyte   | Result | Units | LOQ | Result |
|-------------|--------|-------|-----|--------|-----------|--------|-------|-----|--------|
| 1-4 Dioxane | <LOQ   | ppm   | 29  | Pass   | 2-Butanol | <LOQ   | ppm   | 175 | Pass   |

NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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Sample ID: 200724005  
Sample Name: 20065-1  
Sample Type: Concentrate

## Certificate of Analysis

### Residual Solvent

Date Tested: 07/27/2020

Method:

Instrument:

| Analyte            | Result | Units | LOQ | Result | Analyte         | Result | Units | LOQ | Result |
|--------------------|--------|-------|-----|--------|-----------------|--------|-------|-----|--------|
| 2-Ethoxyethanol    | <LOQ   | ppm   | 24  | Pass   | 2-Methylpentane | <LOQ   | ppm   | 87  | Pass   |
| 3-Methylpentane    | <LOQ   | ppm   | 87  | Pass   | 2-Propanol      | <LOQ   | ppm   | 350 | Pass   |
| Cyclohexane        | <LOQ   | ppm   | 146 | Pass   | Ether           | <LOQ   | ppm   | 350 | Pass   |
| Ethylbenzene       | <LOQ   | ppm   | 81  | Pass   | Acetone         | <LOQ   | ppm   | 350 | Pass   |
| Isopropyl Acetate  | <LOQ   | ppm   | 175 | Pass   | Methylbutane    | <LOQ   | ppm   | 350 | Pass   |
| n-Heptane          | <LOQ   | ppm   | 350 | Pass   | n-Hexane        | <LOQ   | ppm   | 87  | Pass   |
| n-Pentane          | <LOQ   | ppm   | 350 | Pass   | Tetrahydrofuran | <LOQ   | ppm   | 54  | Pass   |
| Acetonitrile       | <LOQ   | ppm   | 123 | Pass   | Ethanol         | <LOQ   | ppm   | 350 | Pass   |
| Ethyl acetate      | <LOQ   | ppm   | 175 | Pass   | o-Xylene        | <LOQ   | ppm   | 81  | Pass   |
| m+p-Xylene         | <LOQ   | ppm   | 163 | Pass   | Methanol        | <LOQ   | ppm   | 250 | Pass   |
| Methylene Chloride | <LOQ   | ppm   | 90  | Pass   | Toluene         | <LOQ   | ppm   | 67  | Pass   |



### Authorized Signature

Jamie Hobgood

07/30/2020 9:05 AM

Laboratory Manager

Date Time

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