

## Testing Summary

Date Tested: 5/22/2023

|                   |      |
|-------------------|------|
| Residual Solvents | PASS |
| Pesticides:       | PASS |
| Mycotoxins:       | PASS |
| Microbials:       | PASS |

## Analytical Methods

- Residual Solvents: *Headspace GC-FID*
- Pesticides & Mycotoxins: *LS- Ms / Ms*
- Microbials: *RT- qPCR & 3M Petrifilm*
- Potency: *HPLC UV-VIS Detector*

## Analytical Information

### Potency /

The estimation of uncertainty is: [THCA  $\pm$  0.31%] [THC  $\pm$  0.15%]  
[CBDA  $\pm$  0.02%] [CBD  $\pm$  0.07%]. Total THC = THCA \* 0.877 + d9-THC,  
Total CBD = CBDA \* 0.877 + CBD, Total Cannabinoids = the sum of  
all cannabinoids tested, LOQ = Limit of Quantitation: the reported  
result is based on a sample weight with the applicable moisture  
content for that sample; unless otherwise stated all quality control  
samples performed within specifications established by the  
Laboratory.

### Mycotoxins /

The estimation of uncertainty is: [Aflatoxin  $\pm$  2 ppb] [Ochratoxins  
 $\pm$  2 ppb] LOQ = Limit of Quantitation, the reported result is based  
on a sample weight with the applicable moisture content for that  
sample; unless otherwise stated all quality control samples per-  
formed within specifications established by the Laboratory

### Microbials /

The estimation of uncertainty: Bile-tolerant gram negative  $\pm$  14  
cfu/g. LOQ = Limit of Quantitation; Negative = Not Detected; Posi-  
tive= Detected; unless otherwise stated all quality control samples  
performed within specifications established by the Laboratory.

### Pesticides /

The estimation of uncertainty for pesticides is: [All analytes  $\pm$  0.011  
ppm] [Except for Spinosyn:  $\pm$ 0.022, Cyfluthrin:  $\pm$ 0.008,  
Permethrins:  $\pm$ 0.022, Chlorfenapyr:  $\pm$ 0.038 ppm]

### Residual Solvents/

Residual Solvents the estimation of uncertainty is: [Acetone:  
 $\pm$ 2.4ppm] [Benzene:  $\pm$ 0.03ppm] [Butanes:  $\pm$ 1.4ppm] [Chloroform:  
 $\pm$ 0.01ppm] [Cyclohexane:  $\pm$ 2.3ppm] [Dichloromethane:  $\pm$ 2.3ppm]  
[Ethyl-Acetate:  $\pm$ 2.2ppm] [Heptane:  $\pm$ 2.6ppm] [Hexanes:  $\pm$ 0.5ppm]  
[Isopropanol:  $\pm$ 2.1ppm] [Methanol:  $\pm$ 2.3ppm] [Pentanes:  $\pm$ 0.9ppm]  
[Propane:  $\pm$ 2.6ppm] [Toluene:  $\pm$ 2.5ppm] [Xylenes:  $\pm$ 0.8ppm]; LOQ  
= Limit of Quantification, the reported result is based on a sample  
weight with the applicable moisture content for that sample; un-  
less otherwise stated all quality control samples performed within  
specifications established by the Laboratory.

This product has been tested by Green Grower Labs using validated  
testing methodologies and a quality system as required by state law.  
Values reported relate only to the product tested. Green Grower Labs  
makes no claims as to the efficacy, safety or other risks associated  
with any detected or non-detected levels of any compounds reported  
herein. This Certificate shall not be reproduced except in full, with-  
out the written approval of Green Grower Labs. Flower samples are  
separated for the required field of testing, then homogenized before  
testing using liquid nitrogen. The results in this report relate only to  
the sample tested. All measurements have a degree of uncertainty. As  
required per WAC 314-55-103 the estimation of uncertainty has been  
calculated and reported here as a range. The range assumes a 95%  
confidence interval.



# Certificate of Analysis

Laboratory license #0012 | (509) 981-2266 | 124 E. Rowan Spokane, WA  
www.greengrowerlabs.com

Sample: 11244515558265166

Origination: Grow Op

Sample Name: Bulk Pen Oil

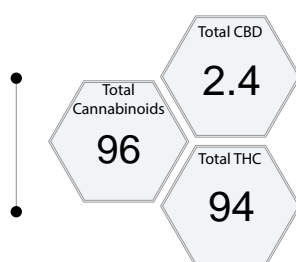
License: 413287

Type: Food Grade Solvent Concentrate

Address 2611 N WOODRUFF RD STE B, SPOKANE VALLEY, WA, 992064

Date Received: 5/22/2023

## Potency



### Cannabinoids

| Analyte        | Mass % |
|----------------|--------|
| $\Delta$ 9-THC | 94     |
| THCa           | < 0.10 |
| Total THC      | 94     |
| CBD            | 2.3    |
| CBDA           | 0.16   |
| Total CBD      | 2.4    |

## MycoToxins

| Analyte                            | Limit (PPB) | Unit (PPB) |
|------------------------------------|-------------|------------|
| Total Aflatoxins ( B1, B2, G1, G2) | 20          | < 9        |
| Ochratoxin A                       | 20          | < 11       |

## Microbials

| Analyte                                   | Limit         | Unit     |
|---|---------------|----------|
| STEC Shiga toxin-producing E. coli        | Negative      | Negative |
| Salmonella                                | Negative      | Negative |
| BTGN Bile-Tolerant Gram-Negative Bacteria | 1,000 (CFU/g) | < 10     |

## Residual Solvents

| Analyte         | Limit (PPM) | MASS (PPM) | Analyte | Limit (PPM)   | MASS (PPM) |       |      |
|-----------------|-------------|------------|---------|---------------|------------|-------|------|
| Propane         | 5000        | < 16       | PASS    | Hexanes       | 290        | < 12  | PASS |
| Butanes         | 3880        | < 14       | PASS    | Benzene       | 2          | < 0.1 | PASS |
| Cyclohexane     | 3000        | < 31       | PASS    | Ethyl-Acetate | 5000       | < 52  | PASS |
| Methanol        | 5000        | < 16       | PASS    | Chloroform    | 2          | < 0.1 | PASS |
| Pentanes        | 5000        | < 10       | PASS    | Heptane       | 5000       | < 34  | PASS |
| Acetone         | 5000        | < 37       | PASS    | Toluene       | 890        | < 77  | PASS |
| Isopropanol     | 600         | < 37       | PASS    | Xylenes       | 2170       | < 238 | PASS |
| Dichloromethane | 290         | < 12       | PASS    | Ethanol       | 5000       | < 1   | PASS |

Matt Heist

Matt Heist  
Lab Director

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|                   |      |
|-------------------|------|
| Residual Solvents | PASS |
| Pesticides:       | PASS |
| Mycotoxins:       | PASS |
| Microbials:       | PASS |

## Analytical Methods

- Water Activity: *Rotronic Meter*
- Foreign Matter: *Visual Inspection*
- Pesticides & Mycotoxins: *LS- Ms / Ms*
- Microbials: *RT- qPCR & 3M Petrifilm*
- Potency: *HPLC UV-VIS Detector*

## Analytical Information

### Potency /

The estimation of uncertainty is: [THCA ± 0.31%] [THC ± 0.15%]

[CBDA ± 0.02%] [CBD ± 0.07%]. Total THC = THCa \* 0.877 + d9-THC,

Total CBD = CBDa \* 0.877 + CBD, Total Cannabinoids = the sum of all cannabinoids tested, LOQ = Limit of Quantitation: the reported

result is based on a sample weight with the applicable moisture content for that sample; unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

### Mycotoxins /

The estimation of uncertainty is: [Aflatoxin ± 2 ppb] [Ochratoxins

± 2 ppb] LOQ = Limit of Quantitation, the reported result is based on a sample weight with the applicable moisture content for that sample; unless otherwise stated all quality control samples performed within specifications established by the Laboratory

### Microbials /

The estimation of uncertainty: Bile-tolerant gram negative ± 14

cfu/g. LOQ = Limit of Quantitation; Negative = Not Detected; Positive= Detected; unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

### Pesticides /

The estimation of uncertainty for pesticides is: [All analytes ± 0.011

ppm] [Except for Spinosyn: ±0.022, Cyfluthrin: ±0.008, Permethrins: ±0.022, Chlorfenapyr: ±0.038 ppm]

This product has been tested by Green Grower Labs using validated testing methodologies and a quality system as required by state law. Values reported relate only to the product tested. Green Grower Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of Green Grower Labs. Flower samples are separated for the required field of testing, then homogenized before testing using liquid nitrogen. The results in this report relate only to the sample tested. All measurements have a degree of uncertainty. As required per WAC 314-55-103 the estimation of uncertainty has been calculated and reported here as a range. The range assumes a 95% confidence interval.



# Certificate of Analysis

Laboratory license #0012 | (509) 981-2266 | 124 E. Rowan Spokane, WA  
www.greengrowerlabs.com

## Sample: 11244515558265166

|              |  |                |                                |
|--------------|--|----------------|--------------------------------|
| Origination: | Grow Op  | Sample Name:   | Bulk Pen Oil                   |
| License:     | 413287   | Type:          | Food Grade Solvent Concentrate |
| Address      | 2611 N WOODRUFF RD STE B, SPOKANE VALLEY, WA, 992064 | Date Recieved: | 5/22/2023                      |

## Pesticides

| Analyte             | Limit(PPM) | MASS (PPM) | Analyte  | Limit(PPM)               | MASS (PPM)     |
|---------------------|------------|------------|----------|--------------------------|----------------|
| Abamectin           | 0.5        | < 0.42     | ND       | Malathion                | 0.20 < 0.03 ND |
| Acephate            | 0.4        | < 0.10     | ND       | Metalaxyl                | 0.20 < 0.02 ND |
| Acequinocyl         | 2.0        | < 0.15     | ND       | Methiocarb               | 0.20 < 0.02 ND |
| Acetamiprid         | 0.2        | < 0.03     | ND       | Methomyl                 | 0.40 < 0.02 ND |
| Aldicarb            | 0.40       | < 0.01     | ND       | Methyl parathion         | 0.20 < 0.06 ND |
| Azoxystrobin        | 0.20       | < 0.07     | ND       | MGK-264                  | 0.20 < 0.13 ND |
| Bifenazate          | 0.20       | < 0.02     | ND       | Myclobutanil             | 0.20 < 0.01 ND |
| Bifenthrin          | 0.20       | < 0.16     | Detected | Naled                    | 0.50 < 0.02 ND |
| Boscalid            | 0.40       | < 0.02     | ND       | Oxamyl                   | 1.0 < 0.01 ND  |
| Carbaryl            | 0.20       | < 0.06     | ND       | Paclobutrazol            | 0.40 < 0.02 ND |
| Carbofuran          | 0.20       | < 0.03     | ND       | Permethrins <sup>a</sup> | 0.20 < 0.05 ND |
| Chlorantraniliprole | 0.20       | < 0.03     | ND       | Phosmet                  | 0.20 < 0.01 ND |
| Chlorfenapyr        | 1.0        | < 0.53     | ND       | Piperonyl butoxide       | 2.0 < 0.02 ND  |
| Chlorpyrifos        | 0.20       | < 0.03     | ND       | Prallethrin              | 0.20 < 0.11 ND |
| Clofentezine        | 0.20       | < 0.09     | ND       | Propiconazole            | 0.40 < 0.02 ND |
| Cyfluthrin          | 1.0        | < 0.11     | ND       | Propoxur                 | 0.20 < 0.03 ND |
| Cypermethrin        | 1.0        | < 0.06     | ND       | Pyrethrins <sup>b</sup>  | 1.0 < 0.15 ND  |
| Daminozide          | 1.0        | < 0.29     | ND       | Pyridaben                | 0.20 < 0.02 ND |
| DDVP (Dichlorvos)   | 0.10       | < 0.06     | ND       | Spinosad <sup>c</sup>    | 0.20 < 0.05 ND |
| Diazinon            | 0.20       | < 0.02     | ND       | Spiromesifen             | 0.20 < 0.02 ND |
| Dimethoate          | 0.20       | < 0.02     | ND       | Spirotetramat            | 0.20 < 0.03 ND |
| Ethoprophos         | 0.20       | < 0.01     | ND       | Spiroxamine              | 0.40 < 0.02 ND |
| Etofenprox          | 0.40       | < 0.07     | ND       | Tebuconazole             | 0.40 < 0.02 ND |
| Etoxazole           | 0.20       | < 0.02     | ND       | Thiacloprid              | 0.20 < 0.01 ND |
| Fenoxycarb          | 0.20       | < 0.02     | ND       | Thiamethoxam             | 0.20 < 0.01 ND |
| Fenpyroximate       | 0.40       | < 0.04     | ND       | Trifloxystrobin          | 0.20 < 0.06 ND |
| Fipronil            | 0.40       | < 0.01     | ND       |                          |                |
| Flonicamid          | 1.0        | < 0.06     | ND       |                          |                |
| Fludioxonil         | 0.40       | < 0.02     | ND       |                          |                |
| Hexythiazox         | 1.0        | < 0.06     | ND       |                          |                |
| Imazalil            | 0.20       | < 0.01     | ND       |                          |                |
| Imidacloprid        | 0.40       | < 0.03     | ND       |                          |                |
| Kresoxim-methyl     | 0.40       | < 0.02     | ND       |                          |                |

If a sample result shows a pesticide as detected and a numerical result as less than (example <0.02 ppm), this indicates the pesticide was detected, but not at a level that can be accurately measured.

ND = Not Detected

*Matt Heist*  
Matt Heist  
Lab Director

<sup>a</sup> Sum of Isomers: cis-Permethrin  
trans-Permethrin  
<sup>b</sup> Sum of Isomers: Pyrethrin I  
Pyrethrin II  
<sup>c</sup> Sum of Isomers: Spinosyn  
A Spinosyn D