

## Testing Summary

Date Tested: 1/3/2023

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: 11243308114720805

Origination: Grow Op

Sample Name: Bulk Pen Oil

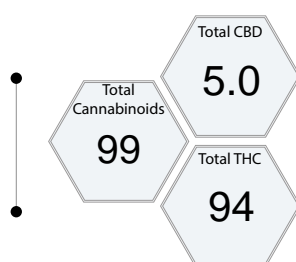
License: 413287

Type: Food-grade solvent extract

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

Date Received: 1/3/2023

## Potency



### Cannabinoids

Analyte	Mass %
$\Delta$ 9-THC	94
THCa	< 0.10
Total THC	94
CBD	5.0
CBDA	< 0.10
Total CBD	5.0

## 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	10,000 (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

## Testing Summary

Date Tested:

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 per-

formed 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; 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 ± 0.011

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

±0.022, Chlorfenapyr: ±0.038 ppm]

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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: 11243308114720805

Origination:	Grow Op	Sample Name:	Bulk Pen Oil
License:	413287	Type:	Food-grade solvent extract
Address	2611 N WOODRUFF RD STE B, SPOKANE VALLEY, WA, 992064	Date Recieved:	1/3/2023

## 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	ND	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 &lt;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