

Testing Summary

Date Tested: 5/21/2024

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 ± 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]

Residual Solvents/

Residual Solvents the estimation of uncertainty is: [Acetone: ±2.4ppm] [Benzene: ±0.03ppm] [Butanes: ±1.4ppm] [Chloroform: ±0.01ppm] [Cyclohexane: ±2.3ppm] [Dichloromethane: ±2.3ppm] [Ethyl-Acetate: ±2.2ppm] [Heptane: ±2.6ppm] [Hexanes: ±0.5ppm] [Isopropanol: ±2.1ppm] [Methanol: ±2.3ppm] [Pentanes: ±0.9ppm] [Propane: ±2.6ppm] [Toluene: ±2.5ppm] [Xylenes: ±0.8ppm]; LOQ = Limit of Quantification, 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.

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: **WA413287.IN2149**

Origination: **Grow Op**

Sample Name: **Bulk Pen Oil**

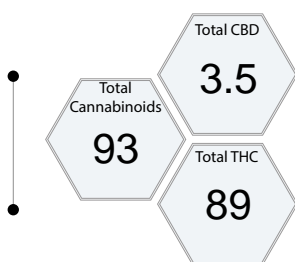
License: **413287**

Type: **Food Grade Solvent Concentrate**

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

Date Received: **5/21/2024**

Potency



Cannabinoids

Analyte	Mass %
Δ9-THC	89
THCa	< 0.10
Total THC	89
CBD	3.4
CBDA	0.17
Total CBD	3.5

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)		
<div><div></div><div></div></div>	Propane	5000	< 16	ND	Hexanes	290	< 12	ND
	Butanes	5000	< 14	ND	Benzene	2	< 0.1	ND
	Cyclohexane	3880	< 31	ND	Ethyl-Acetate	5000	< 52	ND
	Methanol	3000	106	Detected	Chloroform	2	< 0.1	ND
	Pentanes	5000	< 10	ND	Heptane	5000	< 34	ND
	Acetone	5000	< 37	ND	Toluene	890	< 77	ND
	Isopropanol	5000	< 37	Detected	Xylenes	2200	< 238	ND
	Dichloromethane	600	< 12	ND	Ethanol	5000	< 1	ND

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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Certificate of Analysis

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

Sample: WA413287.IN2149

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:	5/21/2024

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 ^a	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 ^b	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 ^c	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

^a Sum of Isomers: cis-Permethrin
trans-Permethrin
^b Sum of Isomers: Pyrethrin I
Pyrethrin II
^c Sum of Isomers: Spinosyn
A Spinosyn D