

TESTING SUMMARY

DATE RECEIVED: 12/9/2024
DATE REPORTED: 12/13/2024

PESTICIDES:	PASS
HEAVY METALS:	PASS
RESIDUAL SOLVENTS:	PASS
MYCOTOXINS:	PASS

ANALYTICAL METHODS

- » PESTICIDES & MYCOTOXINS: *LS-MS / MS*
- » POTENCY: *HPLC UV-VIS DETECTOR*
- » HEAVY METALS: *ICP-MS*
- » RESIDUAL SOLVENTS: *Headspace GC-FID*

ANALYTICAL INFO

> 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 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]

> HEAVY METALS

The estimation of uncertainty is: [Arsenic: \pm 0.12 ppm, Cadmium \pm 0.10 ppm, Lead \pm 0.11 ppm, Mercury \pm 0.10 ppm]. Heavy metals are not covered under ISO 2 Lab certification. All Heavy metals testing conforms to the WAC 314-55-103 Good Laboratory checklist and QA/QC requirements.

> 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; unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



Certificate of Analysis

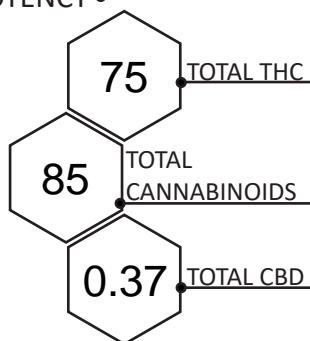
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www.greengrowerlabs.com



Sample ID: **18259253765990393**

Origination:	FREEDOM FARMS	Sample Name:	Mix
License:	413204	Type:	Hydrocarbon Concentrate
Address:	1110 N Stanley RD, Spokane Valley, WA 99212	Sampling Date:	12/9/2024

> POTENCY



Analyte	Mass %
THC:	2.0
THCa:	83
Total THC:	75
CBD:	0.25
CBDA:	0.14
Total CBD:	0.37

> MYCOTOXINS

Analyte	LIMIT (PPB)	UNIT (PPB)
Total Aflatoxins (B1, B2, G1, G2)	20	< 9
Ochratoxin A	20	< 11

> HEAVY METALS

Analyte	LIMIT (µg/g)	UNIT (µg/g)	
ARSENIC	2.0	< 0.20	ND
CADMIUM	0.82	< 0.20	ND
LEAD	1.2	< 0.55	ND
MERCURY	0.40	< 0.20	ND

> RESIDUAL SOLVENTS

Analyte	LIMIT (PPM)	MASS (PPM)	Analyte	LIMIT (PPM)	MASS (PPM)
Propane	5000	< 16 ND	Hexanes	290	< 12 ND
Butanes	5000	28 Detected	Benzene	2	< 0.1 ND
Cyclohexane	3880	< 31 ND	Ethyl-Acetate	5000	< 52 ND
Methanol	3000	< 16 ND	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

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.



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> PESTICIDES

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

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

Matt Heist

Matt Heist
Lab Director