



Green Roads

5150 SW 48TH WAY DAVIE
FL, USA 33314
(844) 747-3367
LAURA@GREENROADSWORLD.COM



SAMPLE:DA81113010-002

METRC/Biotrack#N/A **Harvest/Lot ID: PW181101**
Batch#: PW181101, Sample Size: 10 gm -grams
Ordered: 11/13/18 Sampled:11/13/18
Completed: 11/27/18 Expires: 11/27/19
Sampling Method: SOP Client Method

Image



Safety

Pesticides - Tested
Microbials - Tested
Mycotoxins - Tested
Heavy Metals - Tested
Terpenes - Tested
Residual-Solvents - Tested
Filth - NT
Water Activity - NT
Moisture - NT

Cannabinoids

Analyte	Weight(%)	mg/g
D9-THC	ND	ND
THCa	ND	ND
TOTAL THC	ND	ND
CBD	0.49	4.88
CBDa	ND	ND
TOTAL CBD	0.48	4.8
CBN	ND	ND
CBDV	ND	ND
D8-THC	ND	ND
THCV	ND	ND
CBG	ND	ND
CBGa	ND	ND
CBC	ND	ND
TOTAL CANNABINOIDS	0.49	4.88

Cannabinoids

0.00% Total THC	0.48% Total CBD
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ND	ND	0.49	ND	ND	ND	ND	ND	ND	ND	ND
D9-THC	THCa	CBD	CBDa	CBN	CBDV	D8-THC	THCV	CBG	CBGa	CBC

Jorge Segredo
Lab Director

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ISO Accreditation #
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Terpenes	Test result %
alpha-Cedrene	ND
alpha-Humulene	ND
alpha-Pinene	ND
alpha-Terpinene	ND
beta-Myrcene	ND
beta-Pinene	ND
Borneol	ND
Camphene	ND
Camphor	ND
Caryophyllene oxide	ND
Cedrol	ND
alpha-Bisabolol	ND
Isopulegol	ND
cis-Nerolidol	ND
3-Carene	ND
Fenchyl Alcohol	ND
Hexahydrothymol	ND
Eucalyptol	ND
Isoborneol	ND
Farnesene	ND
Fenchone	ND
gamma-Terpinene	ND
Geraniol	ND
Geranyl acetate	ND
Guaiol	ND
Limonene	ND
Linalool	ND
Nerol	ND
Ocimene	ND
alpha-Phellandrene	ND
Pulegone	ND
Sabinene	ND
Sabinene hydrate	ND
Terpineol	ND
Terpinolene	ND
trans-Caryophyllene	ND
trans-Nerolidol	ND
Valencene	ND
Total	0



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Pesticides	LOQ	Action Level	Result	Units	Type
Daminozide	0.02	1	ND	ppm	Plant growth regulator
Acephate	0.01	0.4	ND	ppm	Insecticide
Flonicamid	0.01	1	ND	ppm	Pyridine Insecticide, Aphicide
Oxamyl	0.01	1	ND	ppm	Carbamate Insecticide, Acaricide, Nematicide
Methomyl	0.01	0.4	ND	ppm	Carbamate Insecticide, Acaricide, Metabolite
Thiamethoxam	0.01	0.2	ND	ppm	Neonicotinoid Insecticide
Imidacloprid	0.01	0.4	ND	ppm	Neonicotinoid Insecticide
Dimethoate	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Acetamiprid	0.01	0.2	ND	ppm	Insecticide
Thiacloprid	0.01	0.2	ND	ppm	Neonicotinoid Insecticide, Molluscicide
Aldicarb	0.02	0.4	ND	ppm	Insecticide, Nematicide
Dichlorvos	0.05	0.1	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Propoxur	0.01	0.2	ND	ppm	Carbamate Insecticide, Acaricide
Carbofuran	0.01	0.2	ND	ppm	Insecticide, Nematicide
Carbaryl	0.01	0.2	ND	ppm	Insecticide
Imazalil	0.01	0.2	ND	ppm	Imidazole Fungicide
Metalaxyl	0.01	0.2	ND	ppm	Phenylamide Fungicide
Chlorantraniliprole	0.01	0.2	ND	ppm	Insecticide
Phosmet	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Spiroxamine	0.01	0.4	ND	ppm	Morpholine Fungicide
Naled	0.01	0.5	ND	ppm	Organophosphate Insecticide, Acaricide
Methiocarb	0.01	0.2	ND	ppm	Carbamate Insecticide, Molluscicide, Bird repellent
Azoxystrobin	0.01	0.2	ND	ppm	Fungicide
Boscalid	0.01	0.4	ND	ppm	Fungicide
Paclobutrazol	0.01	0.4	ND	ppm	Triazole Plant growth regulator; Fungicide
Malathion	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Myclobutanil	0.01	0.2	ND	ppm	Triazole Fungicide
Bifenazate	0.01	0.2	ND	ppm	Insecticide
Spirotetramat	0.02	0.2	ND	ppm	Tetramic acid Insecticide
Ethoprophos	0.01	0.2	ND	ppm	Insecticide, Nematicide
Fenoxycarb	0.01	0.2	ND	ppm	Carbamate Insecticide
Kresoxim-methyl	0.01	0.4	ND	ppm	Strobilurin Fungicide, Bactericide
Tebuconazole	0.01	0.4	ND	ppm	Triazole Fungicide

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Lab Director

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Pesticides	LOQ	Action Level	Result	Units	Type
Diazanone	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Repellent
Propiconazole	0.01	0.4	ND	ppm	Triazole Fungicide
Clofentezine	0.01	0.2	ND	ppm	Tetrazine Acaricide
Spinosad (Spinosyn A)	0.01	0.2	ND	ppm	Insecticide
Prallethrin	0.05	0.2	ND	ppm	Synthetic pyrethroid Insecticide
Trifloxystrobin	0.01	0.2	ND	ppm	Strobilurin Fungicide
Piperonyl butoxide	0.01	3	ND	ppm	Cyclic aromatic; Performance enhancer, Synergist
Chlorpyrifos	0.01	0.2	ND	ppm	Organophosphate Insecticide
Hexythiazox	0.01	1	ND	ppm	Carboxamide Acaricide
Etoazole	0.01	0.2	ND	ppm	Diphenyl oxazoline Acaricide
Spiromesifen	0.01	0.2	ND	ppm	Tetronic acid Insecticide
Pyrethrins (Pyrethrin I)	0.01	1	ND	ppm	Insecticide
Fenpyroximate	0.01	0.4	ND	ppm	Pyrazolium Acaricide, Insecticide
Pyridaben	0.01	0.2	ND	ppm	Pyridazinone Insecticide, Acaricide
Permethrins	0.05	0.2	ND	ppm	Pyrethroid Insecticide
Abamectin B1a	0.02	0.5	ND	ppm	Insecticide
Etofenprox	0.01	0.4	ND	ppm	Pyrethroid Insecticide
Bifenthrin	0.01	0.2	ND	ppm	Acaricide, Insecticide
Fludioxonil	0.01	0.4	ND	ppm	Phenylpyrrole Fungicide
Fipronil	0.02	0.4	ND	ppm	Phenylpyrazole Insecticide
Cypermethrin	0.02	1	ND	ppm	Pyrethroid Insecticide, Veterinary substance
Mevinphos	0.01	0.1	ND	ppm	Organophosphate Insecticide, Acaricide
Dimethomorph	0.01	0.1	ND	ppm	Morpholine Fungicide
Fenhexamid	0.01	0.1	ND	ppm	Hydroxylanilide Fungicide
Coumaphos	0.01	0.1	ND	ppm	Insecticide
Spinosad (Spinosyn D)	0.01	0.2	ND	ppm	Insecticide



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Residual solvent

Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
Hexanes (2,3-dimethylbutane)	290	Pass	ND
1,4-Dioxane	380	Pass	ND
Pentanes (iso-pentane)	5000	Pass	ND
Pentanes (neo-pentane)	5000	Pass	ND
Butanes (iso-butane)	5000	Pass	ND
2-Butanol	5000	Pass	ND
2-Ethoxyethanol	160	Pass	ND
2-Propanol	5000	Pass	ND
Acetone	5000	Pass	ND
Acetonitrile	410	Pass	ND
Benzene	2	Pass	ND
Butanes (n-butane)	5000	Pass	ND
Cyclohexane	3880	Pass	ND
Dichloromethane	600	Pass	ND
Hexanes (2,2-dimethylbutane)	290	Pass	ND
Xylenes-O (1,2-dimethylbenzene)	2170	Pass	ND
Xylenes-M (1,3-dimethylbenzene)	2170	Pass	ND
Xylenes-P (1,4-dimethylbenzene)	2170	Pass	ND
Ethanol	5000	Pass	ND
Ethyl acetate	5000	Pass	ND
Ethylbenzene	2170	Pass	ND
Ethyl ether	5000	Pass	ND
Ethylene Oxide	50	Pass	ND
Heptane	5000	Pass	ND
n-Hexane	290	Pass	ND
Isopropyl acetate	5000	Pass	ND
Methanol	3000	Pass	ND
Hexanes (2-methylpentane)	290	Pass	ND
Hexanes (3-methylpentane)	290	Pass	ND
Pentanes (n-pentane)	5000	Pass	ND
Propane	5000	Pass	ND
Tetrahydrofuran	720	Pass	ND
Toluene	1068	Pass	ND
Xylenes	2170	Pass	ND

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Cannabinoid Profile Test Result-Analysis Method :SOP.T.40.020, SOP.T.30.050

Reagent LOT ID # Dilution id factor#C Analytical Batch: filter id factor#C
Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection (HPLC-UV). (Method: SOP.T.30.050 for sample prep and Shimadzu High Sensitivity Method SOP.T.40.020 for analysis. LOQ for all cannabinoids is 1 mg/L).

Mycotoxin Analysis-Analysis MethodSOP.T.30.060, SOP.T.40.060

Analyte#	Results#	Analytical Batch:	Action Level#
Aflatoxin G2	ND		0.02
Aflatoxin G1	ND		0.02
Aflatoxin B2	ND		0.02
Aflatoxin B1	ND		0.02
Ochratoxin A+	ND		0.02

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg.

Micro Analysis-Analysis method :SOP.T.40.043

Pathogens#	Results#
Aspergillus Terreus	not present in 1 gram.
Aspergillus Niger	not present in 1 gram.
Aspergillus Fumigatus	not present in 1 gram.
Aspergillus Flavus	not present in 1 gram.
Salmonella	not present in 1 gram.
Escherichia Coli	not present in 1 gram.

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via tandem Polymerase Chain Reaction (PCR) as a crude lysate which avoids purification. (Method SOP.T.40.043) If a pathogenic Escherichia Coli, Salmonella, Aspergillus fumigatus, Aspergillus flavus, Aspergillus niger, or Aspergillus terreus is detected in 1g of a sample, the sample fails the microbiological-impurity testing.



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Pesticide Analysis-Analysis Method:SOP.T.30.060, SOP.T.40.060

solvent/reagent lot/ID # Dilution factor #X
Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 57 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS).

Analytical Batch :

filter lot /ID #X

Heavy Metals Analysis-Analysis-Method:SOP.T.40.050, SOP.T.30.052

solvent/reagent lot/ID # Dilution factor #X
Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) which can screen down to below single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.052 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050 Heavy Metals Analysis via ICP-MS.

Analytical Batch:

filter lot /ID #X

Metal	Result	Action-Level
Arsenic	ND	1.500
Cadmium	ND	0.500
Lead	ND	0.500
Mercury	ND	3

Abbreviation:ppm=Parts Per Million

Residual SolventsAnalysis Method:SOP.T.40.032

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 33 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Analytical Batch :

Terpenes screening-Analysis-Method:SOP.T.40.090

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.

Analytical Batch :

