

CBD ISOLATE Matrix: N/A



Page 1 of 7

### GreenRoads

5150 SW 48TH WAY DAVIE FL, USA 33314 844747-3367 LAURA@GREENROADSWORLD.COM





**SAMPLE:**D810047-01

METRC/Biotrack#N/A Harvest/Lot ID: GR18157

Batch#: GR18157, Batch Size: N/A -grams Ordered: 10/7/2018 Sampled:10/7/2018

Completed: 10/11/2018 3:19:58 PM Expires: 10/11/19

Sampling Method: SOP SOP Client Method

### **Image**

## Safety



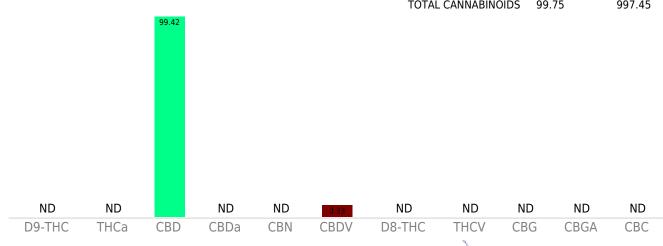
Pesticides - Tested Microbials - Tested Mycotoxins - Tested Heavy Metals - Tested Terpenes - Tested Residual-Solvents - Tested Filth - NT Water Activity - NT Moisture - NT

### **Cannabinoids**

0.00% Total THC 99.42% Total CBD

## **Cannabinoids**

Analyte	Weight(%)	mg/g
D9-THC	ND	ND
THCa	ND	ND
TOTAL THC	ND	ND
CBD	99.42	994.15
CBDa	ND	ND
TOTAL CBD	99.42	994.15
CBN	ND	ND
CBDV	0.33	3.30
D8-THC	ND	ND
THCV	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBC	ND	ND
TOTAL CANNABINOIDS	99 75	997 45





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**Terpenes** 

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Test result %

Cedrol	ND
(1S)-(+)-3-Carene	ND
Limonene	ND
(1R)-Endo-(+)-Fenchyl Alcohol	ND
(-)-Alpha-Bisabolol	ND
alpha Bisabolol	ND
p-Mentha-1,5-diene	ND
beta Myrcene	ND
alpha-Cedrene	ND
alpha-Humulene	ND
alpha-pinene	ND
alpha Terpinene	ND
beta Pinene	ND
Borneol	ND
Camphene	ND
Camphor	ND
Caryophyllene Oxide	ND
cis Nerolidol	ND
Eucalyptol	ND
Farnesene	ND
Fenchone	ND
gamma Terpinene	ND
Geraniol	ND
Geranyl-Acetate	ND
Guaiol	ND
Hexahydrothymol	ND
Isoborneol	ND
Isopulegol	ND
Linalool	ND
Nerol	ND
Ocimene	ND
Pulegone	ND
Sabinene	ND
Sabinene-Hydrate	ND
Terpineol	ND
Terpinolene	ND
trans caryophyllene	ND
trans-Nerolidol	ND
Valencene	ND
Total	0.00



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Pesticides	LOQ	<b>Action Level</b>	Result	Units	Туре
Abamectin	0.01	0.5	ND	ppm	Insecticide
Acephate	0.01	0.4	ND	ppm	Insecticide
Acetamprid	0.01	0.2	ND	ppm	Insecticide
Aldicarb	0.01	0.4	ND	ppm	Insecticide, Nematicide
Azoxystrobin	0.01	0.2	ND	ppm	Fungicide
Bifenazate	0.01	0.2	ND	ppm	Insecticide
Bifenthrin	0.01	0.2	ND	ppm	Acaricide, Insecticide
Boscalid	0.01	0.4	ND	ppm	Fungicide
Carbaryl	0.01	0.2	ND	ppm	Insecticide
Carbofuran	0.01	0.2	ND	ppm	Insecticide, Nematicide
Chlorantraniliprole	0.01	0.2	ND	ppm	Insecticide
Chlorpyrifos	0.01	0.2	ND	ppm	Organophosphate Insecticide
Clofentezine	0.01	0.2	ND	ppm	Tetrazine Acaricide
Cyfluthrin	0.01	2	ND	ppm	Pyrethroid Insecticide
Cypermethrin	0.01	1	ND	ppm	Pyrethroid Insecticide, Veterinary substance
Daminozide	0.01	1	ND	ppm	Plant growth regulator
DDVP (Dichloryos)	0.01	0.1	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Diazinon	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Repellent
Dimethoate	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide, Metabolite
Ethoprophos	0.01	0.2	ND	ppm	Insecticide, Nematicide
Etofenprox	0.01	0.4	ND	ppm	Pyrethroid Insecticide
Etoxazole	0.01	0.2	ND	ppm	Diphenyl oxazoline Acaricide
Fenoxycarb	0.01	0.2	ND	ppm	Carbamate Insecticide
Fenpyroximate	0.01	0.4	ND	ppm	Pyrazolium Acaricide, Insecticide
Fipronil	0.01	0.4	ND	ppm	Phenylpyrazole Insecticide



0.01

Flonicamid

Fludioxonil

Hexythiazox

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ND

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Jorge Segredo

Lab Director

ppm

ppm

ppm

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Pyridine Insecticide, Aphicide

Phenylpyrrole Fungicide

Carboxamide Acaricide

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Pesticides	LOQ	<b>Action Level</b>	Result	Units	Туре
Imazalil	0.01	0.2	ND	ppm	Imidazole Fungicide
Methyl Parathion	0.01	0.2	ND	ppm	Organophosphate Insecticide
Imadacloprid	0.01	0.4	ND	ppm	Neonicotinoid Insecticide
Kresoxim-methyl	0.01	0.4	ND	ppm	Strobilurin Fungicide, Bactericide
Malathion	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Metalaxyl	0.01	0.2	ND	ppm	Phenylamide Fungicide
Methiocarb	0.01	0.2	ND	ppm	Carbamate Insecticide, Molluscicide, Bird repellent
Methornyl	0.01	1	ND	ppm	Carbamate Insecticide, Acaricide, Metabolite
Myclubtanil	0.01	0.2	ND	ppm	Triazole Fungicide
Naled	0.01	0.5	ND	ppm	Organophosphate Insecticide, Acaricide
Oxamyl	0.01	1	ND	ppm	Carbamate Insecticide, Acaricide, Nematicide
Paclobutrazol	0.01	0.4	ND	ppm	Triazole Plant growth regulator; Fungicide
Permethrins	0.01	0.2	ND	ppm	Pyrethroid Insecticide
Phosmet	0.01	0.2	ND	ppm	Organophosphate Insecticide, Acaricide
Piperonyl butoxide	0.01	2	ND	ppm	Cyclic aromatic; Performance enhancer, Synergist
Prallethrin	0.01	0.2	ND	ppm	Synthetic pyrethroid Insecticide
Propiconazole	0.01	0.4	ND	ppm	Triazole Fungicide
Propoxur	0.01	0.2	ND	ppm	Carbamate Insecticide, Acaricide
Pyrethrins	0.01	1	ND	ppm	Insecticide
Pyridaben	0.01	0.2	ND	ppm	Pyridazinone Insecticide, Acaricide
Spinsosad	0.01	0.2	ND	ppm	Insecticide
Spiromesifen	0.01	0.2	ND	ppm	Tetronic acid Insecticide
Spirtetramat	0.01	0.2	ND	ppm	Tetramic acid Insecticide
Spiroxamine	0.01	0.4	ND	ppm	Morpholine Fungicide
Tebuconazale	0.01	0.4	ND	ppm	Triazole Fungicide
Thiacloprid	0.01	0.2	ND	ppm	Neonicotinoid Insecticide, Molluscicide
Thiamethoxam	0.01	0.2	ND	ppm	Neonicotinoid Insecticide
Trifloxystrobin	0.01	0.2	ND	ppm	Strobilurin Fungicide



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Residual solvent	Action Level(ppm)	Pass/Fail	Results(ppm)
Propane	5000	N/A	ND
iso-Butane	5000	Pass	5.94
n-Butane	5000	Pass	8.94
neo-pentane	5000	N/A	ND
Methanol	3000	Pass	3.73
Ethylene-oxide	50	N/A	ND
iso-Pentane	5000	N/A	ND
Ethanol	5000	Pass	56.50
n-Pentane	5000	N/A	ND
Ethyl Ether	5000	N/A	ND
Acetone	5000	Pass	111.00
2,2-Dimethylbutane	290	N/A	ND
2-Propanol	5000	Pass	47.70
Acetonitrile	410	Pass	5.66
Dichloromethane	600	N/A	ND
2-Methylpentane	290	N/A	ND
2,3-Dimethylbutane	290	N/A	ND
3-Methylpentane	290	N/A	ND
n-Hexane	290	Pass	11.90
Ethyl acetate	5000	N/A	ND
2-Butanol	5000	N/A	ND
Tetrahydrofuran	720	N/A	ND
Cyclohexane	3880	N/A	ND
Isopropyl Acetate	5000	N/A	ND
Benzene	2	N/A	ND
Heptane	5000	N/A	ND
1,4-Dioxane	380	N/A	ND
2-Ethoxyethanol	160	N/A	ND
Toluene	890	N/A	ND
Ethylbenzene	2170	N/A	ND
1,3-Dimethylbenzene	890	N/A	ND
1,4-Dimethylbenzene	2170	N/A	ND
1,2-Dimethylbenzene	2170	N/A	ND
Butanes	5000	Pass	14.90
Hexanes	290	Pass	11.90
Pentanes	5000	N/A	ND
Xylenes	2170	N/A	ND
		N	



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Analytical Batch: B8J0054

Analytical Batch: B8J0058

Sampling Method: SOP SOP Client Method

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

filter id factor#C Dilution id factor#C

Reagent LOT ID # 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

Mycotoxin Analysis-Analysi	Analytical Batch:B8J0057		
Analyte#	Results#C	Action Level#C	
Aflatoxin B1	ND	0.02	
Aflatoxin B2	ND	0.02	
Aflatoxin G1	ND	0.02	
Aflatoxin G2	ND	0.02	
Ochratoxin A	ND	0.02	
Aflatoving P1 P2 C1 C2 and Ochrate	oving A tosting using LC MC (Mothod, COD T 20 060 for Comple	Proparation and COR TAN OSO Procedure for Mycotoxi	

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 (Aflotoxin B1, B2, G1, G2) must be  $<20\mu g/Kg$ . Ochratoxins must be  $<20\mu g/Kg$ .

### Micro Analysis-Analysis method: SOP.T.40.043

Pathogens#	Results#C
Aspergillus flavus	Absent in 1 gram
Aspergillus fumigatus	Absent in 1 gram
Aspergillus niger	Absent in 1 gram
Aspergillus terreus	Absent in 1 gram
Escherichia coli	Absent in 1 gram
Salmonella	Absent 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

filter lot /ID #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).

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

Dilution factor #X

Analytical Batch: B8J0050

filter lot /ID #X

Analytical Batch: B8J0057

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.

Metal	Result	Action-Level
Arsenic	ND	1.5
Cadmium	ND	0.5
Lead	ND	0.5
Mercury	ND	3
Abbroviation, nom-Barte Bor Million		

### Residual SolventsAnalysis Method:SOP.T.40.032

Analytical Batch : B8J0060

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).

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

Analytical Batch : B8J0056

Terpenoid profile screening is performed using GC-MS/MS TQ-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 39 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC-MS/MS.



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