



SAMPLE:DA00210005-001

Harvest/Lot ID: M02V01

Seed to Sale #N/A

Batch Date :N/A

Batch#: GRW0078

Sample Size Received: 20

Ordered : 02/07/20

Sampled : 02/07/20

Completed: 02/13/20 Expires: 02/13/21

Sampling Method: SOP Client Method

**PASSED**

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# Certificate of Analysis

Feb 13, 2020 | Green Roads

601 Fairway Drive Deerfield Beach  
Florida, United States 33441



PRODUCT IMAGE SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals  
Solvents  
**NOT TESTED**



Filtration  
**PASSED**



Water Activity  
**PASSED**



Moisture  
**PASSED**



Terpenes  
**TESTED**

MISC.

CANNABINOID RESULTS



Total THC  
**0.000%**

THC/Container :0.00 mg

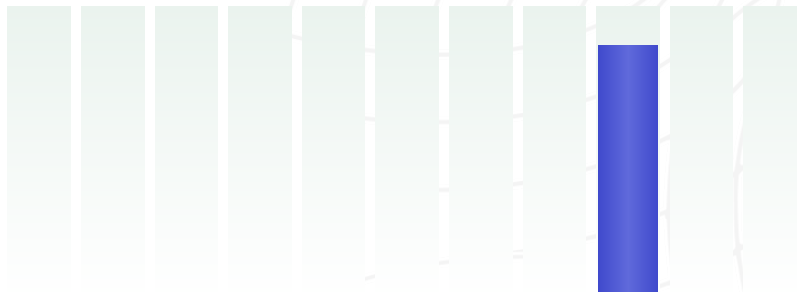


Total CBD  
**6.288%**

CBD/Container :29.66 mg



Total Cannabinoids  
**6.306%**



CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	0.018 %	ND	ND	6.288 %	ND	ND
0.001	0.001	0.001	0.001	0.001	0.180 mg/g	0.001	0.001	0.0001	0.0001	0.001
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

**Filtration PASSED**

Analyte	Weight	Extraction date	LOD(ppm)	Extracted By
584	1g	02/10/20		584
Analysis Method -SOP.T.40.013		Batch Date : 02/10/20		
Analytical Batch -DA010119FIL				
Instrument Used :				

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-28/T Stereo Microscope is use for inspection.

**Water Activity PASSED**

Analyte	Analyzed by	Weight	Ext. date	LOD(ppm)	Result
WATER ACTIVITY	584	1g	02/12/20	0.1	0.412 aW
Analysis Method -Water Activity SOP.T.40.010		Batch Date : 02/05/20			
Analytical Batch -DA010008WAT					
Instrument Used :					

**Moisture PASSED**

Analyte	Analyzed by	Weight	Ext. date	LOD(ppm)	Result
MOISTURE CONTENT	584	0.523g	02/12/20	1	5.160 %
Analysis Method -Moisture Analysis SOP.T.40.011		Batch Date : 02/05/20			
Analytical Batch -DA010009MOI					
Instrument Used :					

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	1.4202g	02/11/20	574
Analysis Method -SOP.T.40.020, SOP.T.30.050		Batch Date : 02/10/20	
Analytical Batch -DA010134POT		Instrument Used : DA-LC-003	

Reagent	Dilution	Consums. ID
020420.R14	400	76124-662
020520.R12		SFN-BX-1025
020520.R13		849C4-849AK
		840C6-840H

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).

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Jorge Segredo  
Lab Director

State License # n/a  
ISO Accreditation # 97164



Signature

02/13/2020

Signed On



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Telephone: (954) 609-5537

Email: aa@forceinvestments.com

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Sample Method : SOP Client Method

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## Terpenes

**TESTED**

Terpenes	LOD	Units	TEST RESULT (%)	Terpenes	LOD	Units	TEST RESULT (%)
ALPHA-CEDRENE	0.007	%	ND	HEXAHYDROTHYMOL	0.007	%	ND
ALPHA-HUMULENE	0.007	%	ND	FENCHYL ALCOHOL	0.007	%	ND
ALPHA-PINENE	0.007	%	ND	3-CARENE	0.007	%	ND
ALPHA-TERPINENE	0.007	%	ND	CIS-NEROLIDOL	0.007	%	ND
BETA-MYRCENE	0.007	%	ND	ISOPULEGOL	0.007	%	ND
BETA-PINENE	0.007	%	ND				
BORNEOL	0.013	%	ND				
CAMPHENE	0.007	%	ND				
CAMPHOR	0.013	%	ND				
CARYOPHYLLENE OXIDE	0.007	%	ND				
CEDROL	0.007	%	ND				
ALPHA-BISABOLOL	0.007	%	ND				
SABINENE	0.007	%	ND				
SABINENE HYDRATE	0.007	%	ND				
TERPINEOL	0.007	%	ND				
TERPINOLENE	0.007	%	ND				
BETA-CARYOPHYLLENE	0.007	%	ND				
TRANS-NEROLIDOL	0.007	%	ND				
VALENCENE	0.007	%	ND				
PULEGONE	0.007	%	ND				
ALPHA-PHELLANDRENE	0.007	%	ND				
OCIMENE	0.007	%	ND				
NEROL	0.007	%	ND				
LINALOOL	0.007	%	ND				
LIMONENE	0.007	%	ND				
GUAJOL	0.007	%	ND				
GERANYL ACETATE	0.007	%	ND				
GERANIOL	0.007	%	ND				
GAMMA-TERPINENE	0.007	%	ND				
FENCHONE	0.007	%	ND				
FARNESENE	0.007	%	ND				
EUCALYPTOL	0.007	%	ND				
ISOBORNEOL	0.007	%	ND				



## Terpenes

**TESTED**

Analyzed by 1351 Weight 0.9997g Extraction date 02/10/20 Extracted By 1351

Analysis Method -SOP.T.40.090  
Analytical Batch -DA010094TER  
Instrument Used : Liquid Injection GCMS QP2020 (E-SHI-128)  
Batch Date : 02/10/20

Reagent	Dilution	Consums. ID
052119.04	10	180711 1929V5454

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

**Total** 0

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**Jorge Segredo**  
Lab Director  
State License # n/a  
ISO Accreditation # 97164



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## Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.02	ppm	0.3	ND	MEVINPHOS	0.01	ppm	0.1	ND
ACEPHATE	0.001	ppm	3	ND	MYCLOBUTANIL	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND	NALED	0.01	ppm	0.5	ND
ACETAMIPRID	0.01	ppm	3	ND	OXAMYL	0.01	ppm	0.5	ND
ALDICARB	0.02	ppm	0.1	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PHOSMET	0.01	ppm	0.2	ND
BIFENAZATE	0.01	ppm	3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	PRALLETHRIN	0.05	ppm	0.4	ND
BOSCALID	0.01	PPM	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
CARBARYL	0.01	ppm	0.5	ND	PROPOXUR	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	PYRIDABEN	0.01	ppm	3	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	SPINETORAM	0.01	PPM	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	SPIROMESIFEN	0.01	ppm	3	ND
CLOFENTEZINE	0.01	ppm	0.5	ND	SPIROTETRAMAT	0.02	ppm	3	ND
COUMAPHOS	0.005	ppm	0.1	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CYPERMETHRIN	0.01	ppm	1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
DAMINOZIDE	0.02	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND	THIAMETHOXAM	0.01	ppm	1	ND
DICHLORVOS	0.05	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	ppm	20	ND
DIMETHOATE	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	1	ppm	1	ND
DIMETHOMORPH	0.005	ppm	3	ND	TOTAL SPINOSAD	1	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
ETOFENPROX	0.01	ppm	0.1	ND					
ETOXAZOLE	0.01	ppm	1.5	ND					
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	ND					
FENPYROXIMATE	0.01	ppm	2	ND					
FIPRONIL	0.02	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
IMIDACLOPRID	0.01	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.01	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					



### Pesticides

PASSED

<b>Analyzed by</b> 56	<b>Weight</b> 1.0753g	<b>Extraction date</b> 02/10/20	<b>Extracted By</b> 1082
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**Analysis Method** -SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090  
**Analytical Batch** - DA010112PES  
**Instrument Used** : LCMS E-SHI-039  
**Batch Date** : 02/10/20

<b>Reagent</b>	<b>Dilution</b> 10	<b>Consums. ID</b>
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Pesticide screen is performed using LC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 67 Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Volatile Pesticides may be tested with GCMSMS under SOP.T.40.070 and SOP.T.40.090.

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Lab Director  
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**Sample Method :** SOP Client Method

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**Mycotoxins** **PASSED**

Hg

**Heavy Metals** **PASSED**

Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

**Analysis Method -SOP.T.30.065, SOP.T.40.065**

**Analytical Batch -DA010109**

**Instrument Used :**

**Batch Date : 02/10/20**

Analyzed by	Weight	Extraction date	Extracted By
56	1g	NA	NA

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 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.

Reagent	Reagent	Dilution	Consums. ID	Consums. ID
020320.R22	020720.R02	50		
021120.R01	111319.01			
020620.R01	012920.R01			
020620.R02				
012920.R03				
020520.R01				

Metal	LOD	Units	Result	Action Level (PPM)
ARSENIC	0.01	ppm	ND	1.5
CADMIUM	0.01	ppm	ND	0.5
LEAD	0.01	ppm	ND	0.5
MERCURY	0.01	ppm	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2630g	02/12/20	457


**Analysis Method -SOP.T.40.050, SOP.T.30.052**

**Analytical Batch -DA010127HEA**

**Instrument Used : ICPMS-2030 B**

**Batch Date : 02/10/20**

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.



**Microbials** **PASSED**

**Analyte**

ASPERGILLUS\_FLAVUS  
ASPERGILLUS\_FUMIGATUS  
ASPERGILLUS\_NIGER  
ASPERGILLUS\_TERREUS  
ESCHERICHIA\_COLI\_SHIGELLA\_SPP  
SALMONELLA\_SPECIFIC\_GENE

**Result**

not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.  
not present in 1 gram.

**Analysis Method -SOP.T.40.043**

**Analytical Batch -DA010095MIC**

**Instrument Used : PathogenDX PCR\_Array Scanner,PathogenDX PCR\_DA-010**

**Batch Date : 02/10/20**

Analyzed by	Weight	Extraction date	Extracted By
513	1.0170g	02/10/20	1082

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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