



# Certificate of Analysis

Feb 10, 2020 | Green Roads

 601 Fairway Drive Deerfield Beach  
 Florida, United States 33441


SAMPLE:DA00206008-001

Harvest/Lot ID: A27W01

Seed to Sale #N/A

Batch Date :N/A

Batch#: BMR0045

Sample Size Received: 35.1 gram

Ordered : 02/06/20

Sampled : 02/06/20

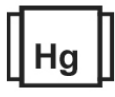
Completed: 02/10/20 Expires: 02/10/21

Sampling Method: SOP Client Method

**PASSED**

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**PRODUCT IMAGE SAFETY RESULTS**

 Pesticides  
**PASSED**

 Heavy Metals  
**PASSED**

 Microbials  
**PASSED**

 Mycotoxins  
**PASSED**

 Residuals  
 Solvents  
**PASSED**

 Filtration  
**PASSED**

 Water Activity  
**NOT TESTED**

 Moisture  
**NOT TESTED**

 Terpenes  
**TESTED**
**MISC.**
**CANNABINOID RESULTS**

**Total THC**  
**0.000%**

**Total CBD**  
**0.889%**

**Total Cannabinoids**  
**0.889%**


	<b>Filtration</b>	<b>PASSED</b>
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Analyte	Weight	Extraction date	LOD(ppm)	Extracted By
584	1g	02/07/20		584
Analysis Method -SOP.T.40.013				
Analytical Batch -DA010070FIL				
Instrument Used :				
Batch Date : 02/07/20				
This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is used for inspection.				

**Cannabinoid Profile Test**

Analyzed by	Weight	Extraction date :	Extracted By :
1224	3.0240g	02/06/20	965
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Analytical Batch -DA010040POT		Instrument Used : DA-LC-003	Batch Date : 02/06/20
Reagent	Dilution	Consums. ID	
123019.R09	40	76124-662	
020420.R10		SFN-BX-1025	
020420.R11		849C4-849AK	

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

02/10/2020

Signed On



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## Green Roads

601 Fairway Drive Deerfield Beach  
Florida, United States 33441  
**Telephone:** (954) 609-5537  
**Email:** aa@forceinvestments.com

**Sample :** DA00206008-001  
**Harvest/LOT ID:** A27W01

**Batch# :** BMR0045  
**Sampled :** 02/06/20  
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**Completed :** 02/10/20 **Expires :** 02/10/21  
**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				
GUAIOL	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** 0.9942g **Extraction date** 02/06/20 **Extracted By** 1351  
**Analysis Method** -SOP.T.40.090  
**Analytical Batch** -DA010035TER  
**Instrument Used** : Liquid Injection GCMS QP2020 (E-SHI-128)  
**Batch Date** : 02/06/20

Reagent	Dilution	Consums. ID
052119.04	10	180711 280630187

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

**Jorge Segredo**  
Lab Director

State License # n/a  
ISO Accreditation # 97164

Signature

02/10/2020

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**Sample :** DA00206008-001  
**Harvest/LOT ID:** A27W01

**Batch# :** BMR0045  
**Sampled :** 02/06/20  
**Ordered :** 02/06/20

**Sample Size received :** 35.1 gram  
**Completed :** 02/10/20 **Expires :** 02/10/21  
**Sample Method :** SOP Client Method

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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	METHIOCARB	0.01	ppm	0.1	ND
ACEPHATE	0.001	ppm	3	ND	METHOMYL	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	2	ND	MEVINPHOS	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	MYCLOBUTANIL	0.01	ppm	3	ND
ALDICARB	0.02	ppm	0.1	ND	NALED	0.01	ppm	0.5	ND
AZOXYSTROBIN	0.01	ppm	3	ND	OXAMYL	0.01	ppm	0.5	ND
BIFENAZATE	0.01	ppm	3	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	PHOSMET	0.01	ppm	0.2	ND
BOSCALID	0.01	PPM	3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
CAPTAN	0.05	ppm	3	ND	PRALLETHRIN	0.05	ppm	0.4	ND
CARBARYL	0.01	ppm	0.5	ND	PROPICONAZOLE	0.01	ppm	1	ND
CARBOFURAN	0.01	ppm	0.1	ND	PROPOXUR	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND	PYRETHRINS	0.01	ppm	1	ND
CHLORDANE	0.005	ppm	0.1	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					



## Pesticides

**PASSED**

**Analyzed by** 56 **Weight** 0.8193g **Extraction date** 02/06/20 **Extracted By** 585

**Analysis Method** -SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090  
**Analytical Batch** - DA010041PES  
**Instrument Used** : LCMS E-SHI-039  
**Batch Date** : 02/06/20

Reagent	Dilution	Consums. ID
111219.38 02020.809 02020.802	10	180711

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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**Jorge Segredo**  
Lab Director

State License # n/a  
ISO Accreditation # 97164

Signature

02/10/2020

Signed On





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**Telephone:** (954) 609-5537

**Email:** aa@forceinvestments.com

**Sample :** DA00206008-001

**Harvest/LOT ID:** A27W01

**Batch# :** BMR0045

**Sampled :** 02/06/20

**Ordered :** 02/06/20

**Sample Size received :** 35.1 gram

**Completed :** 02/10/20 **Expires :** 02/10/21

**Sample Method :** SOP Client Method

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	<b>Residual Solvents</b>	<b>PASSED</b>
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	<b>Residual Solvents</b>	<b>PASSED</b>
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SOLVENT	LOD	Units	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	1000000	PASS	1448.294
ETHYL ACETATE	36	ppm	400	PASS	ND
ETHYL ETHER	45	ppm	500	PASS	ND
ETHYLENE OXIDE	0.6	ppm	5	PASS	ND
HEPTANE	45	ppm	5000	PASS	ND
METHANOL	22.5	ppm	250	PASS	ND
N-HEXANE	4.5	ppm	250	PASS	ND
PENTANES (N-PENTANE)	67.5	ppm	750	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
PROPANE	120	ppm	5000	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

**Analyzed by** 850 **Weight** 0.0279g **Extraction date** 02/06/20 **Extracted By** 850

**Analysis Method** -SOP.T.40.032  
**Analytical Batch** -DA010055SOL  
**Instrument Used** : Headspace GCMS 2  
**Batch Date** : 02/06/20

Reagent	Dilution	Consums. ID
	1	00268767 161040-1 24152436

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).



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**Harvest/LOT ID:** A27W01

**Batch# :** BMR0045

**Sampled :** 02/06/20

**Ordered :** 02/06/20

**Sample Size received :** 35.1 gram

**Completed :** 02/10/20 **Expires :** 02/10/21

**Sample Method :** SOP Client Method

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	<b>Mycotoxins</b>	<b>PASSED</b>
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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 -DA010042**

**Instrument Used : LCMS E-SHI-039**

**Batch Date : 02/06/20**

Analyzed by	Weight	Extraction date	Extracted By
56	1g	02/06/20	585

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.

	<b>Microbials</b>	<b>PASSED</b>
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**Analyte**

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

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

**Analytical Batch -DA010033MIC**

**Instrument Used : PathogenDX PCR\_Array Scanner**

**Batch Date : 02/06/20**

Analyzed by	Weight	Extraction date	Extracted By
513	1.0742g	02/06/20	357

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.

**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.

	<b>Heavy Metals</b>	<b>PASSED</b>
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**Reagent Reagent Dilution Consums. ID Consums. ID**

020320.R22 020520.R01 50  
020620.R09 111319.01  
012920.R05 012920.R01  
020620.R01  
020620.R02  
012920.R03

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	0.2482g	02/06/20	457

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

**Analytical Batch -DA010053HEA**

**Instrument Used : ICPMS-2030**

**Batch Date : 02/06/20**

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.