



# Certificate of Analysis

Feb 13, 2020 | Green Roads

601 Fairway Drive Deerfield Beach  
Florida, United States 33441


SAMPLE:DA00205013-001

Harvest/Lot ID: A07W03

Seed to Sale #N/A

Batch Date :N/A

Batch#: BMR0068

Sample Size Received: 35.1

Ordered : 02/03/20

Sampled : 02/03/20

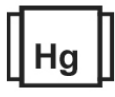
Completed: 02/13/20 Expires: 02/13/21

Sampling Method: SOP Client Method

**PASSED**

Page 1 of 5

## 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%**

THC/Container :0.00 mg



Total CBD

**1.788%**

CBD/Container :627.59  
mg


Total Cannabinoids

**1.788%**


CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	ND	ND	ND	1.788 %	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	17.880 mg/g	ND	ND
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.001
ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	3.1045g	02/07/20	574
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Analytical Batch -DA010065POT Instrument Used : DA-LC-003			
Batch Date : 02/05/20			

Reagent	Dilution	Consums. ID
020420.R14	400	76124-662
020420.R12		SFN-BX-1025
020420.R10		849C4-849AK
020420.R11		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).

Filtration	<b>PASSED</b>
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Analyte	Weight	Extraction date	LOD(ppm)	Extracted By
584	1g	02/05/20		584
Analysis Method -SOP.T.40.013				
Analytical Batch -DA010012FIL				
Instrument Used :				

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.

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

**Sample :** DA00205013-001  
**Harvest/LOT ID:** A07W03

**Batch# :** BMR0068  
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**Completed :** 02/13/20 **Expires :** 02/13/21  
**Sample Method :** SOP Client Method

Page 2 of 5



**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				
GUAIAL	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** 1.0506g **Extraction date** 02/05/20 **Extracted By** 1351  
**Analysis Method** -SOP.T.40.090  
**Analytical Batch** -DA009992TER  
**Instrument Used** : Liquid Injection GCMS QP2010  
**Batch Date** : 02/05/20

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

**Jorge Segredo**  
Lab Director

State License # n/a  
ISO Accreditation # 97164

Signature

02/13/2020

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**Harvest/LOT ID: A07W03**

**Batch# :** BMR0068 **Sample Size received :** 35.1  
**Sampled :** 02/03/20 **Completed :** 02/13/20 **Expires :** 02/13/21  
**Ordered :** 02/03/20 **Sample Method :** SOP Client Method


Page 3 of 5



**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
ETOXENPROX	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					

<div></div>	<b>Pesticides</b>			PASSED
<b>Analyzed by</b> 585	<b>Weight</b> 1.0265g	<b>Extraction date</b> 02/05/20	<b>Extracted By</b> 585	
<b>Analysis Method</b> -SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090				
<b>Analytical Batch</b> - DA010010PES				
<b>Instrument Used</b> : DA-LCMS-001_DER				
<b>Batch Date</b> : 02/05/20				
<b>Reagent</b>	<b>Dilution</b>		<b>Consums. ID</b>	
111219.38 020520.889 020520.882	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

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Signed On





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**Sample Method :** SOP Client Method

Page 4 of 5

	<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	802.743
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** 0.0231g **Extraction date** 02/05/20 **Extracted By** 850

**Analysis Method** -SOP.T.40.032  
**Analytical Batch** -DA009985SOL  
**Instrument Used** : Headspace GCMS  
**Batch Date** : 02/04/20

Reagent	Dilution	Consums. ID
	1	00268767 160861-1 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:** A07W03

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**Sample Method :** SOP Client Method

Page 5 of 5

	<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 -DA010011**

**Instrument Used : DA-LCMS-001\_DER**

**Batch Date : 02/05/20**

Analyzed by	Weight	Extraction date	Extracted By
585	1g	02/05/20	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  
STAPHYLOCOCCUS\_AUREUS

**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.  
not present in 1 gram.

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

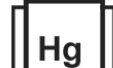
**Analytical Batch -DA010082MIC**

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

**Batch Date : 02/05/20**

Analyzed by	Weight	Extraction date	Extracted By
513	1.0200g	02/07/20	513

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.

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

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

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
457	0.2608g	02/05/20	457

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

**Analytical Batch -DA010018HEA**

**Instrument Used : ICPMS-2030**

**Batch Date : 02/05/20**

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.