



# Certificate of Analysis

Aug 03, 2020 | Green Roads

601 Fairway Drive, 601 Fairway Drive  
Deerfield Beach, Florida, 33441



Sample: DA00715016-001

Harvest/Lot ID: G02W03

Seed to Sale #N/A

Batch Date :N/A

Batch#: BMR0115/ GRW0016

Sample Size Received: 28.50 gram

Retail Product Size: 28.50

Ordered : 07/15/20

Sampled : 07/15/20

Completed: 08/03/20 Expires: 08/03/21

Sampling Method: SOP Client Method

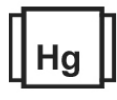
**PASSED**

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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%**

THC/Container :0.000 mg



Total CBD  
**2.177%**

CBD/Container :620.445 mg



Total Cannabinoids  
**2.195%**

Total Cannabinoids/Container  
:625.575 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	0.018%	ND	ND	2.177%	ND	ND
ND	ND	ND	ND	ND	0.180 mg/g	ND	ND	21.770 mg/g	ND	ND
LOD 0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.001
%	%	%	%	%	%	%	%	%	%	%

	Filtration	<b>PASSED</b>
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Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
457	1g	NA		NA
Analysis Method -SOP.T.40.013 Batch Date : 07/15/20 11:25:10				
Analytical Batch -DA013982FIL Reviewed On - 07/15/20 13:49:12				
Instrument Used : Filtration/Foreign Material Microscope				

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 :
450	3.0412g	07/15/20 01:07:16	965
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Reviewed On - 07/17/20 13:16:14			
Analytical Batch -DA013981POT Instrument Used : DA-LC-003			
Batch Date : 07/15/20 11:15:05			

Reagent	Dilution	Consums. ID
061620.02	400	280678841
071420.R23		918C4-918J
071420.R22		914C4-914AK
		929C6-929H

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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**Email:** ashley@greenroads.com

**Sample : DA00715016-001**
**Harvest/LOT ID: G02W03**
**Batch# :** BMR0115/  
 GRW0016

**Sampled :** 07/15/20

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**Sample Size Received :** 28.50 gram

**Completed :** 08/03/20 **Expires:** 08/03/21

**Sample Method :** SOP Client Method

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## Terpenes

**TESTED**

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.007	%	ND	EUCALYPTOL	0.007	%	ND
ALPHA-HUMULENE	0.007	%	ND	ISOBORNEOL	0.007	%	ND
ALPHA-PINENE	0.007	%	ND	HEXAHYDROTHYMOL	0.007	%	ND
ALPHA-TERPINENE	0.007	%	ND	FENCHYL ALCOHOL	0.007	%	ND
BETA-MYRCENE	0.007	%	ND	3-CARENE	0.007	%	ND
BETA-PINENE	0.007	%	ND	CIS-NEROLIDOL	0.007	%	ND
BORNEOL	0.013	%	ND	ISOPULEGOL	0.007	%	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				

**Total** 0.000


## Terpenes

**TESTED**

<b>Analyzed by</b> 1351	<b>Weight</b> 0.9405g	<b>Extraction date</b> 07/16/20 11:07:57	<b>Extracted By</b> 1351
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**Analysis Method -SOP.T.40.090**
**Analytical Batch -DA013963TER**
**Reviewed On - 07/17/20 12:17:40**
**Instrument Used : DA-GCMS-005**
**Batch Date : 07/15/20 08:05:51**

Reagent	Dilution	Consums. ID
071020.R04	10	280678841
071020.R05		76262-590
062620.R18		
071520.R04		

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.



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**Batch# :** BMR0115/  
GRW0016

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**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	0.01	ppm	0.3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEPHATE	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PYRETHRIN I	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRIN II	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.05	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CLOFENTZINE	0.02	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FENHEXAMID	0.01	ppm	3	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	1	ND
FENPYROXIMATE	0.01	ppm	2	ND					
FIPRONIL	0.01	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	0.04	ppm	3	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.02	ppm	2	ND					
METALAXYL	0.01	ppm	3	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
MEVINPHOS	0.01	ppm	0.1	ND					
MYCLOBUTANIL	0.01	ppm	3	ND					
NALED	0.025	ppm	0.5	ND					
OXAMYL	0.05	ppm	0.5	ND					
PACLOBUTRAZOL	0.01	ppm	0.1	ND					
PHOSMET	0.01	ppm	0.2	ND					
PIPERONYL BUTOXIDE	0.1	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					



## Pesticides

**PASSED**
**Analyzed by**  
585, 1665

**Weight**  
1.0296g

**Extraction date**  
07/15/20 01:07:55

**Extracted By**  
1082, 1665

**Analysis Method** - SOP.T.30.065, SOP.T.40.065, SOP.T.30.065, SOP.T.40.070

**Analytical Batch** - DA013976PES, DA014001VOL

**Instrument Used** : DA-LCMS-001\_DER (PES), DA-GCMS-001

**Batch Date** : 07/15/20 10:28:21

**Reviewed On**- 07/15/20 13:49:12

**Reagent**

062220.11  
041720.03  
062220.12  
072120.817  
072120.818  
072220.802

**Dilution**

10

**Consums. ID**

280678841  
76262-590

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.T.40.065 Procedure for Pesticide Quantification Using LCMS). \* Volatile Pesticide screening is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Analytes marked with an asterisk were tested using GC-MS.





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**Sample :** DA00715016-001

**Harvest/LOT ID:** G02W03

**Batch# :** BMR0115/  
 GRW0016

**Sampled :** 07/15/20

**Ordered :** 07/15/20

**Sample Size Received :** 28.50 gram

**Completed :** 08/03/20 **Expires:** 08/03/21

**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
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	27	ppm	2170	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

<b>Analyzed by</b> 850	<b>Weight</b> 0.0293g	<b>Extraction date</b> 07/15/20 03:07:19	<b>Extracted By</b> 850
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**Analysis Method -SOP.T.40.032**  
**Analytical Batch -DA013995SOL**  
**Instrument Used : DA-GCMS-002**  
**Batch Date : 07/15/20 14:23:57**

**Reviewed On - 07/17/20 15:00:46**

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 21 Residual solvents.(Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS).



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**Harvest/LOT ID:** G02W03

**Batch# :** BMR0115/  
 GRW0016

**Sampled :** 07/15/20

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**Sample Size Received :** 28.50 gram

**Completed :** 08/03/20 **Expires:** 08/03/21

**Sample Method :** SOP Client Method

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

 ASPERGILLUS\_FLAVUS  
 ASPERGILLUS\_FUMIGATUS  
 ASPERGILLUS\_NIGER  
 ASPERGILLUS\_TERREUS  
 ESCHERICHIA\_COLI\_SHIGELLA\_SPP  
 SALMONELLA\_SPECIFIC\_GENE  
 TOTAL YEAST AND MOLD

Result	Analyte	LOD	Units	Result	Action Level (PPM)
not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
not present in 1 gram.	OCHRATOXIN A+	0.002	ppm	ND	0.02

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

Analysis Method -SOP.T.40.043 / SOP.T.40.044

Analytical Batch -DA013974MIC , DA013992TYM Batch Date : 07/15/20, 07/15/20

 Instrument Used : PathogenDX PCR Array Scanner DA-111,PathogenDX PCR\_DA-171,  
 DA-111 PathogenDx Scanner,DA-089 Mini-amp Thermocycler

Analytical Batch -DA013977MYC | Reviewed On - 07/26/20 15:49:24

Instrument Used : DA-LCMS-001\_DER (MYC)

Batch Date : 07/15/20 10:29:13

Analyzed by	Weight	Extraction date	Extracted By
513, 513	1.0100g	07/16/20	357, 513

Analyzed by	Weight	Extraction date	Extracted By
585	1g	07/15/20 03:07:01	585

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be &lt;20ug/Kg. Ochratoxins must be &lt;20ug/Kg.

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
062220.02	181019-274	19323	2810012A	2809004
030620.13	SG298A	080717	027	2804025
101619.05	181207119C	190827060	2811015	2808005
	918C4-918J	850C6-850H	2802018	
	914C4-914AK	D001	2803029	
	50AX30819	A06	2807007	

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
030920.02	070120.01	100	89401-566
070920.R01	071420.R15		
071420.R14	022520.02		
071520.R03			
062520.R02			
030420.06			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
LEAD	0.05	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2822g	07/15/20 01:07:34	1022

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

Analytical Batch -DA013965HEA | Reviewed On - 07/23/20 12:31:23

Instrument Used : DA-ICPMS-002

Batch Date : 07/15/20 08:54:56

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.