



# Certificate of Analysis

Jan 13, 2021 | Green Roads

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



Sample: DA10108005-002

Harvest/Lot ID: M22W01

Seed to Sale #N/A

Batch Date :12/22/20

Batch#: BMR0114/GRW0100

Sample Size Received: 90.90 gram

Retail Product Size: 90.90

Ordered : 01/07/21

Sampled : 01/07/21

Completed: 01/13/21 Expires: 01/13/22

Sampling Method: SOP Client Method

**PASSED**

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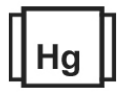
## PRODUCT IMAGE



## 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 THC/Container :0.000 mg



Total CBD  
**0.796%**

TOTAL CBD/Container :723.564 mg



Total Cannabinoids  
**0.818%**

Total Cannabinoids/Container  
:743.562 mg

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
<0.010	ND	<0.010	<0.010	0.796%	ND	<0.010	ND	ND	0.022%	ND
<0.010	ND	<0.010	<0.010	7.960 mg/g	ND	<0.010	ND	ND	0.220 mg/g	ND
LOD 0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %



Filtration

**PASSED**

Analyzed By	Weight	Extraction date	Extracted By
457	NA	NA	NA
Analyte	LOD	Result	
Filtration and Foreign Material	0.1	ND	
Analysis Method -SOP.T.40.013	Batch Date : 01/08/21 11:25:06		
Analytical Batch -DA020924FIL	Reviewed On - 01/08/21 11:38:55		
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	3.0121g	01/08/21 02:01:30	574
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 01/11/21 11:03:13	Batch Date : 01/08/21 10:11:07
Analytical Batch -DA020904POT		Instrument Used : DA-LC-003	

Reagent	Dilution	Consums. ID
110520.32	40	280650306
010421.R19		76262-590
010621.R04		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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Jorge Segredo  
Lab Director

State License # CMTL-0002  
ISO Accreditation # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

  
Signature

01/13/2021

Signed On



# Certificate of Analysis

**PASSED**
**Green Roads**

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

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

**Email:** ashley@greenroads.com

**Sample :** DA10108005-002

**Harvest/LOT ID:** M22W01

**Batch# :**

BMR0114/GRW0100

**Sampled :** 01/07/21

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**Sample Size Received :** 90.90 gram

**Completed :** 01/13/21 **Expires:** 01/13/22

**Sample Method :** SOP Client Method

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## Terpenes

**TESTED**

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-HUMULENE	0.007	%	ND	EUCALYPTOL	0.007	%	0.098
ALPHA-CEDRENE	0.007	%	ND	ISOBORNEOL	0.007	%	ND
SABINENE	0.007	%	ND	HEXAHYDROT	0.007	%	0.537
SABINENE	0.007	%	ND	HYMOL			
TERPINEOL	0.007	%	ND	FENCHYL	0.007	%	ND
TERPINOLENE	0.007	%	ND	ALCOHOL			
BETA-CARYOPHYLLENE	0.007	%	ND	3-CARENE	0.007	%	ND
TRANS-NEROLIDOL	0.007	%	ND	CIS-	0.007	%	ND
VALENCENE	0.007	%	ND	NEROLIDOL			
ALPHA-BISABOOL	0.007	%	ND	ISOPULEGOL	0.007	%	ND
CARYOPHYLLENE	0.007	%	ND				
OXIDE							
CAMPHOR	0.013	%	0.202				
CAMPHENE	0.007	%	ND				
BORNEOL	0.013	%	ND				
BETA-PINENE	0.007	%	ND				
BETA-MYRCENE	0.007	%	ND				
ALPHA-TERPINENE	0.007	%	ND				
ALPHA-PINENE	0.007	%	<0.020				
CEDROL	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				



## Terpenes

**TESTED**

**Analyzed by** 1351 **Weight** 1.0063g **Extraction date** 01/08/21 11:01:52 **Extracted By** 1351  
**Analysis Method** -SOP.T.40.090  
**Analytical Batch** -DA020839TER **Reviewed On** - 01/11/21 10:16:55  
**Instrument Used** : DA-GCMS-005  
**Running On** : 01/08/21 12:50:13  
**Batch Date** : 01/07/21 09:14:43

Reagent	Dilution	Consums. ID
010421.R12	10	287035261
010421.R13		76262-590
010421.R85		
120820.R29		

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** 0.838



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**Sample :** DA10108005-002

**Harvest/LOT ID:** M22W01

**Batch# :** BMR0114/GRW0100

**Sampled :** 01/07/21

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**Completed :** 01/13/21 **Expires:** 01/13/22

**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	PYRETHRINS	0.05	ppm	1	ND
ACEPHATE	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND	SPIROMESIFEN	0.01	ppm	3	ND
ACETAMIPRID	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPIROXAMINE	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
BIFENAZATE	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
BOSCALID	0.01	PPM	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	PPM	20	ND
CARBARYL	0.05	ppm	0.5	ND	TOTAL DIAZINON	0.01	PPM	0.2	ND
CARBOFURAN	0.01	ppm	0.1	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DAMINOZIDE	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DICHLORVOS	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CYPERMETHRIN *	0.01	PPM	1	ND
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	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	0.3	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					
PROPICONAZOLE	0.01	ppm	1	ND					
PROPOXUR	0.01	ppm	0.1	ND					



## Pesticides

**PASSED**

<b>Analyzed by</b> 585 , 1665	<b>Weight</b> 0.2506g	<b>Extraction date</b> 01/08/21 03:01:25	<b>Extracted By</b> 585 , 1665
<b>Analysis Method -</b> SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T.40.070 <b>Analytical Batch -</b> DA020901PES , DA020892VOL <b>Instrument Used :</b> DA-LCMS-003 (PES) , DA-GCMS-001 <b>Running On :</b> 01/08/21 17:06:37 , 01/08/21 15:41:22 <b>Batch Date :</b> 01/08/21 10:10:36			
<b>Reagent</b> 123020.830 002020.58 122020.832	<b>Dilution</b> 25	<b>Reviewed On-</b> 01/08/21 11:38:55	
		<b>Consums. ID</b> 6524407-03	
Pesticide screen is performed using LC-MS and/or GC-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 GCMSMS. SOP.T.40.065/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). * 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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**Jorge Segredo**  
Lab Director

State License # CMTL-0002  
ISO Accreditation # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

  
Signature

01/13/2021

Signed On





# Certificate of Analysis

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

**Email:** ashley@greenroads.com

**Sample :** DA10108005-002

**Harvest/LOT ID:** M22W01

**Batch# :**

BMR0114/GRW0100

**Sampled :** 01/07/21

**Ordered :** 01/07/21

**Sample Size Received :** 90.90 gram

**Completed :** 01/13/21 **Expires:** 01/13/22

**Sample Method :** SOP Client Method

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	<b>Residual Solvents</b>	<b>PASSED</b>
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	<125.000
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

	<b>Residual Solvents</b>	<b>PASSED</b>
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<b>Analyzed by</b> 850	<b>Weight</b> 0.0203g	<b>Extraction date</b> 01/08/21 03:01:02	<b>Extracted By</b> 850
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**Analysis Method -SOP.T.40.032**
**Analytical Batch -DA020929SOL**
**Reviewed On - 01/11/21 16:06:44**
**Instrument Used : DA-GCMS-002**
**Running On : 01/08/21 16:16:59**
**Batch Date : 01/08/21 14:41:20**

<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>
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1

 G201.162  
 R2017.179

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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**Sample :** DA10108005-002

**Harvest/LOT ID:** M22W01

**Batch# :** BMR0114/GRW0100

**Sampled :** 01/07/21

**Ordered :** 01/07/21

**Sample Size Received :** 90.90 gram

**Completed :** 01/13/21 **Expires:** 01/13/22

**Sample Method :** SOP Client Method

Page 5 of 5

	<b>Microbials</b>	<b>PASSED</b>
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	<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
ASPERGILLUS_TERREUS		not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.					
STAPHYLOCOCCUS_AUREUS		not present in 1 gram.					
PSEUDOMONAS_AERUGINOSA		not present in 1 gram.					
TOTAL YEAST AND MOLD	100	<10 CFU					

**Analysis Method -SOP.T.40.043 / SOP.T.40.044**
**Analytical Batch -DA020889MIC , DA020890TYM Batch Date : 01/08/21, 01/08/21**
**Instrument Used : PathogenDx Scanner DA-111, PathogenDx Scanner DA-111**
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
1829, 513	1.2380g	01/11/21	513, 513

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
110420.23	200103-274	2804029	037	2811020
101420.21	3110	2803031	2807013	20324
	218917	D009	2810013G	009C6-009
	002005	D006	2809006	200507119C
	11.12.2020.MIC	A12	2804030	914C4-914AK
	11989-024CC-024	A10	2808008	929C6-929H

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.

**Analysis Method -SOP.T.30.065, SOP.T.40.065**
**Analytical Batch -DA020906MYC | Reviewed On - 01/11/21 10:39:01**
**Instrument Used :**
**Running On : 01/08/21 17:06:25**
**Batch Date : 01/08/21 10:12:16**

Analyzed by	Weight	Extraction date	Extracted By
585	NA	01/08/21 03:01:56	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 <20ug/Kg. Ochratoxins must be <20ug/Kg.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Reagent	Dilution	Consums. ID
010821.R14	010621.R24	100	89401-566
101220.02	011121.R02		
010521.R26	090420.14		
010621.R23	030420.06		
123120.R12	120120.21		
121720.R13			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	<0.100	3
CADMIUM	0.02	PPM	ND	
MERCURY	0.02	PPM	ND	55
LEAD	0.05	PPM	0.265	10

Analyzed by	Weight	Extraction date	Extracted By
1022	0.2653g	01/11/21 01:01:43	1879

**Analysis Method -SOP.T.40.050, SOP.T.30.052**
**Analytical Batch -DA020982HEA | Reviewed On - 01/13/21 09:00:39**
**Instrument Used : DA-ICPMS-002**
**Running On : 01/13/21 08:58:58**
**Batch Date : 01/11/21 10:39:21**

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.

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**Jorge Segredo**  
 Lab Director

 State License # CMTL-0002  
 ISO Accreditation # ISO/IEC  
 17025:2017 Accreditation  
 PJLA-Testing 97164

  
 Signature

01/13/2021

Signed On