



# Certificate of Analysis

Mar 17, 2020 | Green Roads

601 Fairway Drive Deerfield Beach  
Florida, United States 33441



Sample: DA00121011-001  
Harvest/Lot ID: M09V01  
Seed to Sale #N/A  
Batch Date :N/A  
Batch#: BMR0076  
Sample Size Received: 15  
Retail Product Size: 15  
Ordered : 01/17/20  
Sampled : 01/17/20  
Completed: 03/17/20 Expires: 03/17/21  
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/Capsule :0.00 mg



Total CBD

**4.097%**

CBD/Capsule :29.83 mg



Total Cannabinoids

**4.108%**

Total Cannabinoids/Capsule :

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	0.011 %	ND	ND	4.097 %	ND	ND
ND	ND	ND	ND	ND	0.110 mg/g	ND	ND	40.970 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 PASSED**

Analyzed By: 584 Weight: 1g Extraction date: 01/21/20 LOD(ppm): 584 Extracted By: 584

Analysis Method -SOP.T.40.013 Batch Date : 01/21/20 11:44:00  
Analytical Batch -DA009583FIL Reviewed On - 01/21/20 12:58:04  
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.

Cannabinoid Profile Test

Analyzed by: 1224 Weight: 2.1888g Extraction date : 01/22/20 02:01:00 Extracted By : 357  
Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 01/23/20 09:39:17  
Analytical Batch -DA009601POT Instrument Used : DA-LC-003 Batch Date : 01/22/20 09:24:37

Reagent	Dilution	Consums. ID
010720.R02		76124-662
070219.R15		SFN-BX-1025
		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).

Label Claim

Analyte	LOD	Units	Result
SERVINGS	1	servings	1.000
THC/SERVING	1	mg	ND
CBD/SERVING	1	mg	614.550
CBN/CONTAINER	0.1	mg	ND
CBG/CONTAINER	1	mg	ND

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



Signature

03/17/2020

Signed On



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601 Fairway Drive Deerfield Beach  
Florida, United States 33441

Telephone: (954) 609-5537

Email: support@greenroads.com

Sample : DA00121011-001

Harvest/LOT ID: M09V01

Batch# : BMR0076

Sampled : 01/17/20

Ordered : 01/17/20

Sample Size Received : 15

Completed : 03/17/20 Expires: 03/17/21

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				



**Terpenes**

**TESTED**

**Analyzed by** 1118 **Weight** 0.8855g **Extraction date** 01/21/20 11:01:28 **Extracted By** 1118

**Analysis Method -SOP.T.40.090**  
**Analytical Batch -DA009570TER** **Reviewed On - 01/23/20 08:51:43**  
**Instrument Used : Liquid Injection GCMS QP2010**  
**Batch Date : 01/21/20 09:58:39**

Reagent	Dilution	Consums. ID
052119.04	10	76124-662 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

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Lab Director  
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Harvest/LOT ID: M09V01

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Completed : 03/17/20 Expires: 03/17/21

Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND	DIAZANON	0.01	ppm	0.2	ND
CYPERMETHRIN	0.05	ppm	1	ND	MEVINPHOS	0.01	ppm	0.1	ND
CYFLUTHRIN	0.05	ppm	1	ND	MYCLOBUTANIL	0.01	ppm	3	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	NALED	0.01	ppm	0.5	ND
METHYL PARATHION	0.005	ppm	0.1	ND	OXAMYL	0.01	ppm	0.5	ND
CAPTAN	0.07	ppm	3	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
ABAMECTIN B1A	0.02	ppm	0.3	ND	PHOSMET	0.01	ppm	0.2	ND
ACEPHATE	0.001	ppm	3	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
DICHLORVOS	0.05	ppm	0.1	ND	PRALLETHRIN	0.05	ppm	0.4	ND
DIMETHOMORPH	0.005	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRINS	0.01	ppm	1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PYRIDABEN	0.01	ppm	3	ND
ALDICARB	0.02	ppm	0.1	ND	SPINETORAM	0.01	PPM	3	ND
ETOFENPROX	0.01	ppm	0.1	ND	SPIROMESIFEN	0.01	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROTETRAMAT	0.02	ppm	3	ND
ETOXAZOLE	0.01	ppm	1.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
FENHEXAMID	0.01	ppm	3	ND	THIACLOPRID	0.01	ppm	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	THIAMETHOXAM	0.01	ppm	1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	ppm	20	ND
BOSCALID	0.01	PPM	3	ND	TOTAL PERMETHRIN	1	ppm	1	ND
FENPYROXIMATE	0.01	ppm	2	ND	TOTAL SPINOSAD	1	ppm	3	ND
CARBARYL	0.01	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
FIPRONIL	0.02	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	ND					
CARBOFURAN	0.01	ppm	0.1	ND					
CHLORANTRANILIPROLE	0.01	ppm	3	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					
CHLORPYRIFOS	0.01	ppm	0.1	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.01	ppm	2	ND					
CLOFENTEZINE	0.01	ppm	0.5	ND					
METALAXYL	0.01	ppm	3	ND					
COUMAPHOS	0.005	ppm	0.1	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					
DAMINOZIDE	0.02	ppm	0.1	ND					

**Pesticides** **PASSED**

Analyzed by <b>585</b>	Weight 1.0008g	Extraction date 01/21/20 03:01:34	Extracted By 357
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090 , SOP.T.30.065, SOP.T.40.065, SOP.T40.060 and SOP.T.40.090 Analytical Batch - DA009566PES Instrument Used : LCMS E-SHI-039 Batch Date : 01/21/20 09:48:44			
Reviewed On- 01/21/20 12:58:04			

Reagent 101220-041 022220-014 022220-015	Dilution	Consums. ID 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. * Pesticide screen is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 2 Volatile Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.090 Volatile Pesticides Analysis by GC-MS/MS)		

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



Signature

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**Email:** support@greenroads.com

**Sample :** DA00121011-001

**Harvest/LOT ID:** M09V01

**Batch# :** BMR0076

**Sampled :** 01/17/20

**Ordered :** 01/17/20

**Sample Size Received :** 15

**Completed :** 03/17/20 **Expires:** 03/17/21

**Sample Method :** SOP Client Method

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**Residual Solvents**
PASSED



**Residual Solvents**
PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	5000	PASS	ND
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
PROPANE	120	ppm	5000	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

**Analyzed by** 584      **Weight** 0.0205g      **Extraction date** 01/21/20 01:01:11      **Extracted By** 584

**Analysis Method -SOP.T.40.032**  
**Analytical Batch -DA009590SOL**      **Reviewed On - 01/23/20 13:31:33**  
**Instrument Used : Headspace GCMS 2**  
**Batch Date : 01/21/20 13:19:46**

Reagent	Dilution	Consums. ID
	1	00276446 161040-1 24152436

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.30.032 Residual Solvents Analysis via GC-MS).

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Lab Director  
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Signature

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**Email:** support@greenroads.com

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**Harvest/LOT ID: M09V01**

**Batch# : BMR0076**

**Sampled : 01/17/20**

**Ordered : 01/17/20**

**Sample Size Received : 15**

**Completed : 03/17/20 Expires: 03/17/21**

**Sample Method : SOP Client Method**

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**Mycotoxins**
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** -DA009567 | **Reviewed On** - 01/23/20 10:43:48  
**Instrument Used** : LCMS E-SHI-039  
**Batch Date** : 01/21/20 09:48:59

Analyzed by	Weight	Extraction date	Extracted By
585	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.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 <20µg/Kg.

**Consums. ID**

19193  
23819111  
012  
2802012  
2803024  
2805021

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.



**Heavy Metals**
PASSED

Reagent	Reagent	Dilution
011720.R08	010220.R04	50
011620.R12	111319.01	
012120.R03		
012120.R04		
011520.R01		
011620.R01		



**Microbials**
PASSED

Analyte	Result
ASPERGILLUS_FLAVUS	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_TERREUS	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.

**Analysis Method** -SOP.T.40.043  
**Analytical Batch** -DA009556MIC | **Reviewed On** - 01/22/20 12:40:57  
**Instrument Used** : PathogenDX PCR\_Array Scanner  
**Batch Date** : 01/21/20 08:50:40

Analyzed by	Weight	Extraction date	Extracted By
513	0.9904g	01/21/20 01:01:44	513

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

Analyzed by	Weight	Extraction date	Extracted By
396	0.2621g	01/21/20 01:01:13	457

**Analysis Method** -SOP.T.40.050, SOP.T.30.052  
**Analytical Batch** -DA009552HEA | **Reviewed On** - 01/22/20 08:12:50  
**Instrument Used** : ICPMS-2030  
**Batch Date** : 01/21/20 08:36:17

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.

Reagent	Dilution	Consums. ID
011720.R01		A03 010A

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