



Certificate of Analysis

Jul 17, 2020 | Green Roads

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



Sample: DA00701014-001

Harvest/Lot ID: A03W03

Seed to Sale #N/A

Batch Date :N/A

Batch#: BMR0097

Sample Size Received: 2.32 gram

Retail Product Size: 2.32 gram

Ordered : 06/30/20

Sampled : 06/30/20

Completed: 07/17/20 Expires: 07/17/21

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 :0.000 mg



Total CBD

1.237%

CBD/Container :28.698 mg



Total Cannabinoids

1.259%

Total Cannabinoids/Container
:29.209 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	0.022%	ND	ND	ND	ND	ND	1.237%	ND	ND
ND	ND	0.220 mg/g	ND	ND	ND	ND	ND	12.370 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	Weight	Extraction date	LOD(ppm)	Extracted By
457	1g	NA		NA
Analysis Method -SOP.T.40.013 Batch Date : 07/01/20 08:17:11				
Analytical Batch -DA013574FIL Reviewed On - 07/01/20 11:54:08				
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	3.0369g	07/15/20 11:07:46	965
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Reviewed On - 07/17/20 13:06:40			
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).



Certificate of Analysis

PASSED
Green Roads

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

Telephone: (954) 609-5537

Email: victoria@greenroads.com

Sample : DA00701014-001

Harvest/LOT ID: A03W03

Batch# : BMR0097

Sampled : 06/30/20

Ordered : 06/30/20

Sample Size Received : 2.32 gram

Completed : 07/17/20 **Expires:** 07/17/21

Sample Method : SOP Client Method

Page 2 of 5



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	%	0.108
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 1351 **Weight** 0.9977g **Extraction date** 07/01/20 12:07:44 **Extracted By** 1351
Analysis Method -SOP.T.40.090
Analytical Batch -DA013538TER **Reviewed On** - 07/02/20 10:55:01
Instrument Used : DA-GCMS-005
Batch Date : 06/30/20 09:06:56

Reagent	Dilution	Consums. ID
062620.R19	10	280678841
062620.R20		76262-590
062620.R18		
042920.05		
012120.R13		

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 0.108



Certificate of Analysis

PASSED

Green Roads

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

Telephone: (954) 609-5537

Email: victoria@greenroads.com

Sample : DA00701014-001

Harvest/LOT ID: A03W03

Batch#: BMR0097

Sampled : 06/30/20

Ordered : 06/30/20

Sample Size Received : 2.32 gram

Completed : 07/17/20 Expires: 07/17/21

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	0.01	ppm	0.3	ND	PRALLETHRIN	0.01	ppm	0.4	ND
ACEPHATE	0.01	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	PYRETHRIN I	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRIN II	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
BIFENAZATE	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINETORAM	0.02	PPM	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROMESIFEN	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
COUMAPHOS	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DICHLORVOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	CHLORDANE *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
ETOFENPROX	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CAPTAN *	0.025	PPM	3	ND
FENHEXAMID	0.01	ppm	3	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FENPYROXIMATE	0.01	ppm	2	ND	CYPERMETHRIN *	0.01	PPM	1	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					
METHYL PARATHION	0.005	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					



Pesticides

PASSED

Analyzed by
585 , 1665

Weight
0.9366g

Extraction date
07/01/20 12:07:49

Extracted By
585 , 1665

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

Analytical Batch - DA013581PES , DA013667VOL

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

Batch Date : 07/01/20 09:18:24

Reviewed On - 07/01/20 11:54:08

Reagent	Dilution	Consums. ID
059820.01	10	280678841
063020.R01		76262-590
063020.R02		
063020.R18		
064720.03		

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.



Certificate of Analysis

PASSED

Green Roads

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

Telephone: (954) 609-5537

Email: victoria@greenroads.com

Sample : DA00701014-001

Harvest/LOT ID: A03W03

Batch#: BMR0097

Sampled : 06/30/20

Ordered : 06/30/20

Sample Size Received : 2.32 gram

Completed : 07/17/20 Expires: 07/17/21

Sample Method : SOP Client Method

Page 4 of 5

	Residual Solvents	PASSED
--	--------------------------	---------------

	Residual Solvents	PASSED
---	--------------------------	---------------

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	3477.039
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

Analyzed by	Weight	Extraction date	Extracted By
850	0.0246g	07/03/20 04:07:47	850
Analysis Method -SOP.T.40.032			
Analytical Batch -DA013603SOL		Reviewed On - 07/06/20 13:06:33	
Instrument Used : DA-GCMS-002			
Batch Date : 07/01/20 16:41:48			

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 24154107

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).



Certificate of Analysis

PASSED

Green Roads

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

Telephone: (954) 609-5537

Email: victoria@greenroads.com

Sample : DA00701014-001

Harvest/LOT ID: A03W03

Batch# : BMR0097

Sampled : 06/30/20

Ordered : 06/30/20

Sample Size Received : 2.32 gram

Completed : 07/17/20 Expires: 07/17/21

Sample Method : SOP Client Method

Page 5 of 5

	Microbials	PASSED
--	-------------------	---------------

Analyte

ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE
TOTAL YEAST AND MOLD

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.
<100 CFU

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

Analytical Batch -DA013577MIC , DA013594TYM Batch Date : 07/01/20, 07/01/20

Instrument Used : PathogenDX PCR Array Scanner DA-111,PathogenDX PCR_DA-013, PathogenDX PCR Array Scanner DA-111

Analyzed by	Weight	Extraction date	Extracted By
513, 513	1.0179g	07/06/20	513, 513

Reagent	Consums. ID	Consums. ID	Consums. ID
062220.06	181019	50AX30819	2809004
070120.R03	SG298A	19323	2810012C
101519.11	181207119C	190827060	027
	918C4	D003	2804025
	914C4	A07	2808005
	929C6	2807007	2811016

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.

	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 -DA013582MYC | Reviewed On - 07/03/20 10:26:19

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

Batch Date : 07/01/20 09:19:49

Analyzed by	Weight	Extraction date	Extracted By
585	1g	07/01/20 02:07:35	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). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20µg/Kg.

	Heavy Metals	PASSED
---	---------------------	---------------

Reagent	Reagent	Dilution	Consums. ID
070120.R01	062920.R02	100	89401-566
030920.02	070120.R02		
062920.R03	062320.R03		
061220.R02	062520.R02		
062920.R04			
062320.R04			

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	0.2777g	07/01/20 02:07:43	457

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

Analytical Batch -DA013573HEA | Reviewed On - 07/02/20 15:07:34

Instrument Used : DA-ICPMS-002

Batch Date : 07/01/20 08:14:46

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.