



Certificate of Analysis

Dec 06, 2021 | Green Roads

601 Fairway Dr
DEERFIELD BEACH, FL, 33441, US



Sample: DA11202009-007

Harvest/Lot ID: L23X02

Batch#: BMR0049/GRW0027

Seed to Sale# N/A

Batch Date: 11/23/21

Sample Size Received: 34.8 gram

Total Weight/Volume: N/A

Retail Product Size: 34.8 gram

Ordered : 12/01/21

sampled : 12/01/21

Completed: 12/06/21

Sampling Method: SOP Client Method

PASSED

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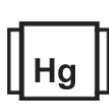
PRODUCT IMAGE



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

CANNABINOID RESULTS



Total THC

ND

TOTAL THC/Container : 0 mg



Total CBD

0.789%

TOTAL CBD/Container : 274.572 mg



Total Cannabinoids

0.852%

Total Cannabinoids/Container : 296.496 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0.003	ND	ND	0.056	0.789	ND	ND	ND	ND	0.004	ND
mg/g	0.03	ND	ND	0.56	7.89	ND	ND	ND	ND	0.04	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%

	Filtration	
	PASSED	

Analyzed By	Weight	Extraction date	Extracted By
457	NA	12/02/21	457
Analyte	LOD	Result	
Filtration and Foreign Material	0.1	ND	
Analysis Method -SOP.T.40.013	Batch Date : 12/02/21 10:42:42		
Analytical Batch -DA034909FIL	Reviewed On - 12/02/21 10:52:34		
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	2.9616g	12/03/21 05:12:56	574
Analysis Method -SOP.T.40.020	SOP.T.30.050	Reviewed On - 12/06/21 13:41:53	Batch Date : 12/03/21 11:28:02
Analytical Batch -DA034960POT	Instrument Used : DA-LC-003 (Edibles)	Running On : 12/05/21 18:08:38	

Reagent	Dilution	Consums. ID
113021.R33	400	CE0123
111821.22		280670723
113021.R32		11945-019CD-019C
		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

12/06/21

Signed On



Certificate of Analysis

PASSED
Green Roads

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 DEERFIELD BEACH, FL, 33441, US

Telephone: (844) 747-3367

Email: LAURA@GREENROADSWORLD.COM

Sample : DA11202009-007

Harvest/LOT ID: L23X02

Batch# :

BMR0049/GRW0027

Sampled : 12/01/21

Ordered : 12/01/21

Sample Size Received : 34.8 gram

Total Weight/Volume : N/A

Completed : 12/06/21 **Expires:** 12/06/22

Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD(%)	mg/g	%	Result (%)	Terpenes	LOD(%)	mg/g	%	Result (%)
TOTAL TERPINEOL	0.007	ND	ND		BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	ND	ND		GERANIOL	0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND		PULEGONE	0.007	ND	ND	
3-CARENE	0.007	ND	ND		ALPHA-CEDRENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND		ALPHA-HUMULENE	0.007	ND	ND	
OCIMENE	0.007	ND	ND		TRANS-NEROLIDOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND		GUAJOL	0.007	ND	ND	
LINALOOL	0.007	ND	ND						
FENCHONE	0.007	ND	ND						
ISOPULEGOL	0.007	ND	ND						
ISOBORNEOL	0.007	ND	ND						
HEXAHYDROTHYMOL	0.007	ND	ND						
NEROL	0.007	ND	ND						
GERANYL ACETATE	0.007	ND	ND						
BETA-CARYOPHYLLENE	0.007	ND	ND						
VALENCENE	0.007	ND	ND						
CEDROL	0.007	ND	ND						
CIS-NEROLIDOL	0.007	ND	ND						
FARNESENE	0.007	ND	ND						
CARYOPHYLLENE	0.007	ND	ND						
OXIDE									
ALPHA-BISABOLOL	0.007	ND	ND						
ALPHA-PINENE	0.007	ND	ND						
SABINENE	0.007	ND	ND						
BETA-PINENE	0.007	ND	ND						
ALPHA-TERPINENE	0.007	ND	ND						
LIMONENE	0.007	ND	ND						
GAMMA-TERPINENE	0.007	ND	ND						
TERPINOLENE	0.007	ND	ND						
SABINENE HYDRATE	0.007	ND	ND						
FENCHYL ALCOHOL	0.007	ND	ND						
CAMPOR	0.013	ND	ND						
Total (%)		ND							



Terpenes

TESTED

Analyzed by 2651	Weight 0.976g	Extraction date 12/02/21 12:12:35	Extracted By 2651
Analysis Method -SOP.T.40.090			
Analytical Batch -DA034892TER			
Instrument Used : DA-GCMS-005			
Running On : 12/02/21 16:46:41			
Batch Date : 12/02/21 09:27:21			
Reagent	Dilution	Consums. ID	
100421.01	10	280678841	
		CE0123	
		914C4-914AK	
		929C6-929H	
Terpenoid profile screening is performed using GC-MS/MS TO-8040 with Liquid Injection (Gas Chromatography - Mass Spectrometer Triple Quad) which can screen 37 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS/MS.			



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Sample : DA11202009-007

Harvest/LOT ID: L23X02

Batch# :

BMR0049/GRW0027

Sampled : 12/01/21

Ordered : 12/01/21

Sample Size Received : 34.8 gram

Total Weight/Volume : N/A

Completed : 12/06/21 **Expires:** 12/06/22

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	PROPOXUR	0.01	ppm	0.1	ND
ACEPHATE	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
ACEQUINOCL	0.01	ppm	2	ND	PYRIDABEN	0.02	ppm	3	ND
ACETAMIPRID	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CARBARYL	0.05	ppm	0.5	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.005	PPM		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
DIAZINON	0.01	ppm	3	ND	CAPTAN *	0.025	PPM	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	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	0.01	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	1	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					



Pesticides

PASSED
Analyzed by

585, 1665

Weight

0.9179g

Extraction date

12/02/21 12:12:21

Extracted By

1665, 1665

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070, SOP.T.30.065,

SOP.T.40.070

Analytical Batch - DA034902PES, DA034888VOL

Reviewed On - 12/02/21

10:52:34

Instrument Used : DA-LCMS-003 (PES), DA-GCMS-001

Running On : 12/02/21 15:42:40, 12/02/21 15:25:42

Batch Date : 12/02/21 10:13:54

Reagent

112921.R07

112921.R11

112921.R08

120121.R01

092820.S9

Dilution

250

Consums. ID

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.

Jorge Segredo
 Lab Director

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

Signature

12/06/21

Signed On



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Sample : DA11202009-007

Harvest/LOT ID: L23X02

Batch# :

BMR0049/GRW0027

Sampled : 12/01/21

Ordered : 12/01/21

Sample Size Received : 34.8 gram

Total Weight/Volume : N/A

Completed : 12/06/21 **Expires:** 12/06/22

Sample Method : SOP Client Method

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm		PASS	<2500
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

Analyzed by 850
Weight 0.0224g
Extraction date NA
Extracted By NA
Analysis Method -SOP.T.40.032
Analytical Batch -DA034930SOL
Instrument Used : DA-GCMS-002
Running On : 12/03/21 11:00:21
Batch Date : 12/02/21 14:13:08
Reviewed On - 12/03/21 13:18:12

Reagent	Dilution	Consums. ID
030420.09	1	R2017.271 G201.062

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 : DA11202009-007

Harvest/LOT ID: L23X02

Batch# :

BMR0049/GRW0027

Sampled : 12/01/21

Ordered : 12/01/21


Sample Size Received : 34.8 gram

Total Weight/Volume : N/A

Completed : 12/06/21 **Expires:** 12/06/22

Sample Method : SOP Client Method

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	Microbials	PASSED
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Analyte	LOD	Result	Action Level
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	
ASPERGILLUS_FLAVUS		not present in 1 gram.	
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	
ASPERGILLUS_TERREUS		not present in 1 gram.	
ASPERGILLUS_NIGER		not present in 1 gram.	
TOTAL YEAST AND MOLD	10	38000 CFU	100000

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041

Analytical Batch -DA034919MIC , DA035023TYM **Batch Date :** 12/02/21 11:27:32,
 12/04/21 13:39:58


Instrument Used : PathogenDx Scanner DA-111, Incubator (25-27C) DA-097

Running On :

Analyzed by	Weight	Extraction date	Extracted By
1829, 1829	1.0565g	12/03/21 07:12:50	1829, 1829

Reagent	Dilution
111921.R34	1
102921.R38	
111521.19	
110221.R65	
021121.09	

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. Pour-plating is used for quantitation and confirmation, Total Yeast and Mold has an action limit of 100,000 CFU.

	Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Action Level
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 -DA034903MYC | **Reviewed On** - 12/06/21 12:12:01

Instrument Used : DA-LCMS-003 (MYC)

Running On : 12/02/21 15:42:42

Batch Date : 12/02/21 10:18:44

Analyzed by	Weight	Extraction date	Extracted By
585	g	12/02/21 01:12:27	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.

	Heavy Metals	PASSED
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Reagent	Reagent	Dilution	Consums. ID
113021.R29	112921.R01	100	179436
111621.R49	112921.R03		3146-870-008
112421.R52	112921.R57		12265-115CC
113021.R31	111021.R67		
112921.R04	021921.13		
111721.R79	110121.04		

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2577g	12/02/21 12:12:26	1879

Analysis Method -SOP.T.40.050, SOP.T.30.052, SOP.T.30.053, SOP.T.40.051

Analytical Batch -DA034889HEA | **Reviewed On** - 12/03/21 07:20:21

Instrument Used : DA-ICPMS-003

Running On : 12/03/21 07:16:17

Batch Date : 12/02/21 09:17:16

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) using Method SOP.T.30.052, SOP.T.30.053 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050, SOP.T.40.051 Heavy Metals Analysis via ICP-MS.