



Certificate of Analysis

Sample: DA11105010-002
Harvest/Lot ID: K22X01
Batch#: BMR0089/GRW0076
Seed to Sale# N/A
Batch Date: 10/22/21
Sample Size Received: 104.4 gram
Total Weight/Volume: N/A
Retail Product Size: 2.32 gram
Ordered : 11/04/21
sampled : 11/04/21
Completed: 11/18/21
Sampling Method: SOP Client Method

Nov 18, 2021 | Green Roads

601 Fairway Dr
DEERFIELD BEACH, FL, 33441, US



PASSED

Page 1 of 5

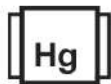
PRODUCT IMAGE



SAFETY RESULTS



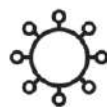
Pesticides
PASSED



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
0.009%
TOTAL THC/Container :0.209 mg



Total CBD
1.196%
TOTAL CBD/Container :27.747 mg



Total Cannabinoids
1.205%
Total Cannabinoids/Container :27.956 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	ND	ND	ND	ND	1.196	ND	ND	0.009	ND	ND	ND
mg/g	ND	ND	ND	ND	11.96	ND	ND	0.09	ND	ND	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	11/06/21	457
Analyte	LOD	Result	
Filtration and Foreign Material	0.1	ND	
Analysis Method -SOP.T.40.013		Batch Date : 11/05/21 14:12:17	
Analytical Batch -DA033689FIL		Reviewed On - 11/06/21 14:34:58	
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	2.8377g	11/05/21 09:11:59	2198
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 11/08/21 13:40:32	Batch Date : 11/05/21 14:59:21
Analytical Batch -DA033693POT		Instrument Used : DA-LC-003 (Edibles)	Running On : 11/05/21 21:03:56

Reagent	Dilution	Consums. ID
110121.R30	400	CE0123
092421.26		280678841
100521.55		11945-019CD-019C
110121.R31		914C4-914AK
091421.26		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



Signature

11/18/21

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

Signed On



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Green Roads

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DEERFIELD BEACH, FL, 33441, US

Telephone: (844) 747-3367

Email: LAURA@GREENROADSWORLD.COM

Sample : DA11105010-002

Harvest/LOT ID: K22X01

Batch# :
BMR0089/GRW0076

Sampled : 11/04/21

Ordered : 11/04/21

Sample Size Received : 104.4 gram

Total Weight/Volume : N/A

Completed : 11/18/21 Expires: 11/18/22

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 OXIDE	0.007	ND	ND						
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						
CAMPHOR	0.013	ND	ND						
Total (%)		ND							

Terpenes TESTED

Analyzed by: 574 Weight: 0.9641g Extraction date: 11/05/21 02:11:47 Extracted By: 2651

Analysis Method - SOP.T.40.090
Analytical Batch - DA033671TER Reviewed On - 11/08/21 13:18:39
Instrument Used : DA-GCMS-005
Running On : 11/05/21 20:53:56
Batch Date : 11/05/21 11:17:07

Reagent	Dilution	Consums. ID
080221.01	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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Jorge Segredo
Lab Director



11/18/21

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ISO Accreditation # ISO/IEC
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PJLA-Testing 97164

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Batch# :
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Total Weight/Volume : N/A

Completed : 11/18/21 Expires: 11/18/22

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	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	0.1	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.005	PPM		ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
DIAZINON	0.01	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DICHLORVOS	0.01	ppm	0.1	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	TRIFLOXYSTROBIN	0.01	ppm	3	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	CHLORDANE *	0.01	PPM	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FIPRONIL	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	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					



Pesticides

PASSED

Analyzed by 585 , 1665	Weight 0.9372g	Extraction date 11/05/21 03:11:10	Extracted By 1665 , 1665
<small>Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T40.070</small>			
<small>Analytical Batch - DA033643PES , DA033638VOL</small>		<small>Reviewed On- 11/06/21 14:34:58</small>	
<small>Instrument Used : DA-LCMS-003 (PES) , DA-GCMS-001</small>			
<small>Running On : 11/05/21 13:29:41 , 11/05/21 16:27:45</small>			
<small>Batch Date : 11/05/21 09:08:53</small>			

Reagent	Dilution	Consums. ID
<small>110321.A28 091321.A19 110321.A03 110321.A01 092820.59</small>	250	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.T40.065/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



11/18/21

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ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164

Signature

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Certificate of Analysis

PASSED

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Harvest/LOT ID: K22X01

Batch# :
BMR0089/GRW0076
Sampled : 11/04/21
Ordered : 11/04/21

Sample Size Received : 104.4 gram
Total Weight/Volume : N/A
Completed : 11/18/21 **Expires:** 11/18/22
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	3000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	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 850 **Weight** 0.0211g **Extraction date** 11/18/21 10:11:05 **Extracted By** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA034167SOL **Reviewed On - 11/18/21 14:45:59**
Instrument Used : DA-GCMS-003
Running On : 11/18/21 11:08:26
Batch Date : 11/16/21 10:23:52

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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Harvest/LOT ID: K22X01

Batch# :

BMR0089/GRW0076

Sampled : 11/04/21

Ordered : 11/04/21

Sample Size Received : 104.4 gram

Total Weight/Volume : N/A

Completed : 11/18/21 **Expires:** 11/18/22

Sample Method : SOP Client Method

Page 5 of 5



Microbials PASSED



Mycotoxins PASSED

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	<10 CFU	100000

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

Analytical Batch -DA033662MIC , DA033703TYM Batch Date : 11/05/21 10:39:14, 11/05/21 19:16:46

Instrument Used : PathogenDx Scanner DA-111,

Running On :

Analyzed by	Weight	Extraction date	Extracted By
2682, 513	1.0546g	11/05/21 07:11:28	1829, 1829

Reagent **Dilution**

101521.R30
082321.34
110221.R65
102921.R38

10

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.

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 -DA033644MYC | Reviewed On - 11/08/21 15:11:16

Instrument Used : DA-LCMS-003 (MYC)

Running On : 11/05/21 13:29:33

Batch Date : 11/05/21 09:09:48

Analyzed by	Weight	Extraction date	Extracted By
585	g	11/05/21 12:11:52	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

Reagent	Reagent	Dilution	Consums. ID
100121.06	110321.R32	100	179436
102921.R27	110321.R33		3146-870-008
102621.R48	102621.R01		12265-115CC
101421.R04	102921.R36		
110521.R04	021921.13		
110321.R34			

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	0.2363g	11/05/21 01:11:17	1879

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

Analytical Batch -DA033670HEA | Reviewed On - 11/08/21 08:41:53

Instrument Used : DA-ICPMS-003

Running On : 11/05/21 16:50:09

Batch Date : 11/05/21 11:13:59

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.

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