



Certificate of Analysis

Sample: DA20121009-001
Harvest/Lot ID: GRFV145
Batch#: GRFV145
Seed to Sale# N/A
Batch Date: 01/14/22
Sample Size Received: 135 gram
Total Weight/Volume: N/A
Retail Product Size: 340 gram
Ordered : 01/21/22
sampled : 01/21/22
Completed: 01/25/22
Sampling Method: SOP Client Method

Jan 25, 2022 | Green Roads
 601 Fairway Dr
 DEERFIELD BEACH, FL, 33441, US

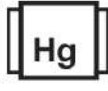


PASSED
 Page 1 of 4

PRODUCT IMAGE SAFETY RESULTS



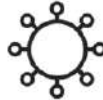
Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
ND



Total CBD
0.005%



Total Cannabinoids
0.394%

Filtration **PASSED**

Analyzed By	Weight	Extraction date	Extracted By
1879	NA	NA	NA
Analyte	LOD	Pass/Fail	Result
Filtration and Foreign Material	0.1	Pass	ND
Analysis Method - SOP.T.40.013		Batch Date : 01/21/22 12:40:16	
Analytical Batch - DA037225FIL		Reviewed On - 01/21/22 14:26:14	
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-28/T Stereo Microscope is used for inspection.

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	ND	0.006	0.38	0.008	ND	ND	ND	ND	ND	ND	ND
mg/g	ND	0.06	3.8	0.08	ND	ND	ND	ND	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
	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	2.9349g	01/21/22 12:01:51	2076
Analysis Method - SOP.T.40.020, SOP.T.30.050		Reviewed On - 01/24/22 12:17:55	Batch Date : 01/21/22 11:06:00
Analytical Batch - DA037212POT		Instrument Used : DA-LC-003 (Edibles) Running On : 01/24/22 10:44:00	

Reagent	Dilution	Consumables ID
	40	

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 P/LA-
 Testing 97164

Signature

01/25/22

Signed On



Certificate of Analysis

PASSED

Green Roads

601 Fairway Dr
DEERFIELD BEACH, FL, 33441, US
Telephone: (844) 747-3367
Email: LAURA@GREENROADSWORLD.COM

Sample : DA20121009-001

Harvest/Lot ID: GRFV145

Batch# : GRFV145

Sampled : 01/21/22

Ordered : 01/21/22

Sample Size Received : 135 gram

Total Weight/Volume : N/A

Completed : 01/25/22 Expires: 01/25/23

Sample Method : SOP Client Method

Page 2 of 4



Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Pass/Fail	Result	Pesticides	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PYRETHRINS	0.05	ppm	1	PASS	ND
ACEQUINOCLY	0.01	ppm	2	PASS	ND	PYRIDABEN	0.02	ppm	3	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
BOSCALID	0.01	PPM	3	PASS	ND	THIAMETHOXAM	0.05	ppm	1	PASS	ND
CARBARYL	0.05	ppm	0.5	PASS	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.005	PPM			ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	PASS	ND
CHLORANTRANILIPROLE	0.1	ppm	3	PASS	ND	TOTAL PERMETHRIN	0.01	ppm	1	PASS	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	PASS	ND	TOTAL SPINETORAM	0.02	PPM	3	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.02	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
DIAZINON	0.01	ppm	3	PASS	ND	CAPTAN *	0.025	PPM	3	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
DIMETHOATE	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.01	PPM	1	PASS	ND
ETOFENPROX	0.01	ppm	0.1	PASS	ND	CYPERMETHRIN *	0.01	PPM	1	PASS	ND
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.04	ppm	1	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.02	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.025	ppm	0.5	PASS	ND						
OXAMYL	0.05	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						
PIPERONYL BUTOXIDE	0.3	ppm	3	PASS	ND						
PRALLETHRIN	0.01	ppm	0.4	PASS	ND						
PROPICONAZOLE	0.01	ppm	1	PASS	ND						



Pesticides

PASSED

Analyzed by: 585, 1665 Weight: 0.8702g Extraction date: 01/21/22 11:01:25 Extracted By: 585, 1665
 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
 Analytical Batch - DA037148PES, DA037197VOL Reviewed On - 01/21/22 14:26:14
 Instrument Used : DA-LCMS-003 (PES), DA-GCMS-006
 Running On : 01/20/22 14:44:40, 01/21/22 14:54:19 Batch Date : 01/20/22 10:36:52
 Reagent: 011822.R25 Dilution: 250 Consumables ID: 6524407-03
 011822.R46
 011822.R59
 011922.R01
 092820.59

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

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



Signature

01/25/22

Signed On



Certificate of Analysis

PASSED
Green Roads

 601 Fairway Dr
 DEERFIELD BEACH, FL, 33441, US
 Telephone: (844) 747-3367
 Email: LAURA@GREENROADSWORLD.COM

Sample : DA20121009-001
Harvest/Lot ID: GRFV145
Batch# : GRFV145
Sampled : 01/21/22
Ordered : 01/21/22
Sample Size Received : 135 gram
Total Weight/Volume : N/A
Completed : 01/25/22 Expires: 01/25/23
Sample Method : SOP Client Method
Page 3 of 4



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	<125
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	<30
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



Residual Solvents

PASSED

Analyzed by 850	Weight 0.025g	Extraction date NA	Extracted By NA
Analysis Method -SOP.T.40.032		Reviewed On - 01/24/22 14:22:31	
Analytical Batch -DA037249SOL			
Instrument Used : DA-GCMS-003			
Running On :			
Batch Date : 01/21/22 16:44:47			

Reagent 030420.09	Dilution 1	Consumables ID 27296 KE136
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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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Jorge Segredo
 Lab Director

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

Signature

01/25/22

Signed On



Certificate of Analysis

PASSED

Green Roads

601 Fairway Dr
DEERFIELD BEACH, FL, 33441, US
Telephone: (844) 747-3367
Email: LAURA@GREENROADSWORLD.COM

Sample : DA20121009-001
Harvest/Lot ID: GRFV145
Batch#: GRFV145
Sampled : 01/21/22
Ordered : 01/21/22

Sample Size Received : 135 gram
Total Weight/Volume : N/A
Completed : 01/25/22 Expires: 01/25/23
Sample Method : SOP Client Method

Page 4 of 4

	Microbials	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Result	Pass / Fail	Action Level
ESCHERICHIA COLI SHIGELLA SPP		not present in 1 gram.	PASS	
SALMONELLA SPECIFIC GENE		not present in 1 gram.	PASS	
ASPERGILLUS FLAVUS		not present in 1 gram.	PASS	
ASPERGILLUS FUMIGATUS		not present in 1 gram.	PASS	
ASPERGILLUS TERREUS		not present in 1 gram.	PASS	
ASPERGILLUS NIGER		not present in 1 gram.	PASS	

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA037217MIC Batch Date : 01/21/22 11:21:18
Instrument Used : PathogenDx Scanner DA-111
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1829	2.0694g	NA	NA

Reagent	Dilution
120721.R42	1

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

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A	0.002	ppm	ND	PASS	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA037151MYC | Reviewed On - 01/21/22 23:55:00
Instrument Used : DA-LCMS-003 (MYC)
Running On : 01/20/22 14:44:31 | Batch Date : 01/20/22 10:38:34

Analyzed by	Weight	Extraction date	Extracted By
585	g	01/21/22 12:01:02	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
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Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC	0.02	PPM	ND	PASS	1.5
CADMIUM	0.02	PPM	ND	PASS	0.5
MERCURY	0.02	PPM	ND	PASS	3
LEAD	0.05	PPM	ND	PASS	0.5

Analyzed by	Weight	Extraction date	Extracted By
1022	0.2747g	01/21/22 12:01:59	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052, SOP.T.30.053, SOP.T.40.051
Analytical Batch -DA037202HEA | Reviewed On - 01/24/22 10:52:52
Instrument Used : DA-ICPMS-003
Running On : 01/21/22 16:43:53 | Batch Date : 01/21/22 09:48:30

Reagent	Reagent	Reagent	Reagent	Dilution	Consums. ID
122221.R47	011822.R08	010522.R40	120121.08	100	179436
011822.R60	011822.R32	122821.R12			3146-870-008
122221.R49	011822.R61	010522.R39			12265-115CC
011822.R62	011822.R07	021921.13			

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.

