



Certificate of Analysis



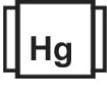







COMPLIANCE FOR RETAIL

Sample: DA21214002-001
Harvest/Lot ID: M13Y01
Batch#: GRW0079
Seed to Sale# N/A
Batch Date: 11/28/22
Sample Size Received: 19.20 gram
Total Amount: 19.20 gram
Retail Product Size: 0.6278 gram
Ordered : 12/13/22
Sampled : 12/13/22
Completed: 12/16/22
Sampling Method: SOP.T.20.010.FL

PASSED
Pages 1 of 5

Dec 16, 2022 | Green Roads
601 Fairway Dr
DEERFIELD BEACH, FL, 33441, US



PRODUCT IMAGE	SAFETY RESULTS								MISC.
	 Pesticides PASSED	 Heavy Metals PASSED	 Microbials PASSED	 Mycotoxins PASSED	 Residuals Solvents PASSED	 Filtration PASSED	 Water Activity NOT TESTED	 Moisture NOT TESTED	 Terpenes NOT TESTED

Cannabinoid **PASSED**

 Total THC ND Total THC/Softgel : 0 mg	 Total CBD 3.988% Total CBD/Softgel : 25.037 mg	 Total Cannabinoids 4.01% Total Cannabinoids/Softgel : 25.175 mg
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	D9-THC	THCA	CBD	CBDA	D8-THC	CBG	CBGA	CBN	THCV	CBDV	CBC
%	ND	ND	3.988	ND	ND	ND	ND	ND	ND	0.022	ND
mg/g	ND	ND	39.88	ND	ND	ND	ND	ND	ND	0.22	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	%	%	%	%	%	%	%	%	%	%	%

Analyzed by: 3335, 3112, 53, 1440 Weight: 1.8788g Extraction date: 12/14/22 11:57:59 Extracted by: 3335
 Analysis Method : SOP.T.40.031, SOP.T.30.031 Reviewed On : 12/15/22 10:10:30
 Analytical Batch : DA053552POT Batch Date : 12/14/22 09:25:48
 Instrument Used : DA-LC-007
 Running on : 12/14/22 12:00:43
 Dilution : 40
 Reagent : 120122.R22; 071222.48; 071222.01; 120122.R18; 100622.35
 Consumables : 239146; CE123; 12265-115CC; 61633-125C6-125E; R1KB14270
 Pipette : N/A

Full Spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV detection in accordance with F.S. Rule 64ER20-39.



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

Sample : DA21214002-001

Harvest/Lot ID: M13Y01

Batch# : GRW0079

Sampled : 12/13/22

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Total Amount : 19.20 gram

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Sample Method : SOP.T.20.010.FL

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Pesticides

PASSED

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	LOD	Units	Action Level	Pass/Fail	Result
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	ppm	30	PASS	ND	OXAMYL	0.01	ppm	0.5	PASS	ND
TOTAL DIMETHOMORPH	0.01	ppm	3	PASS	ND	PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND
TOTAL PERMETHRIN	0.01	ppm	1	PASS	ND	PHOSMET	0.01	ppm	0.2	PASS	ND
TOTAL PYRETHRINS	0.01	ppm	1	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
TOTAL SPINETORAM	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
TOTAL SPINOSAD	0.01	ppm	3	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PYRETHRIN I	0.01	ppm	1	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PYRETHRIN II	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	PARATHION-METHYL *	0.01	PPM	0.1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	CAPTAN *	0.07	PPM	3	PASS	ND
CLOFENTZINE	0.01	ppm	0.5	PASS	ND	CHLORDANE *	0.01	PPM	0.1	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND	CHLORFENAPYR *	0.01	PPM	0.1	PASS	ND
DAMINOZIDE	0.01	ppm	0.1	PASS	ND	CYFLUTHRIN *	0.05	PPM	1	PASS	ND
DIAZINON	0.01	ppm	3	PASS	ND	CYPERMETHRIN *	0.05	PPM	1	PASS	ND
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	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	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	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	0.01	ppm	0.5	PASS	ND						

Analyzed by: 585, 3379, 1440 **Weight:** 0.6361g **Extraction date:** 12/14/22 13:51:43 **Extracted by:** 585,3379

Analysis Method: SOP.T.30.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.101.FL (Gainesville), SOP.T.40.102.FL (Davie)

Analytical Batch: DA053541PES **Reviewed On:** 12/16/22 11:43:21

Instrument Used: DA-LCMS-003 (PES) **Batch Date:** 12/14/22 08:46:16

Running on: 12/14/22 16:25:22

Dilution: 250

Reagent: 121222.R01; 121222.R02; 120622.R07; 121422.R01; 092820.59

Consumables: 6676024-02

Pipette: DA-093; DA-094; DA-219

Testing for agricultural agents is performed utilizing Liquid Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.

Analyzed by: 450, 585, 1440 **Weight:** 0.6361g **Extraction date:** 12/14/22 13:51:43 **Extracted by:** 585,3379

Analysis Method: SOP.T.30.151.FL (Gainesville), SOP.T.30.151A.FL (Davie), SOP.T.40.151.FL (Gainesville), SOP.T.40.151A.FL (Davie)

Analytical Batch: DA053543VOL **Reviewed On:** 12/15/22 15:16:08

Instrument Used: DA-GCMS-001 **Batch Date:** 12/14/22 08:49:21

Running on: N/A

Dilution: 250

Reagent: 121222.R02; 092820.59; 120122.R67; 120622.R24

Consumables: 6676024-02; 14725401

Pipette: DA-093; DA-094; DA-219

Testing for agricultural agents is performed utilizing Gas Chromatography Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



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

Sample : DA21214002-001

Harvest/Lot ID: M13Y01

Batch# : GRW0079

Sampled : 12/13/22

Ordered : 12/13/22

Sample Size Received : 19.20 gram

Total Amount : 19.20 gram

Completed : 12/16/22 Expires: 12/16/23

Sample Method : SOP.T.20.010.FL

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Residual Solvents

PASSED

Solvents	LOD	Units	Action Level	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	<250
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	<30
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	ND
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&P (1,3&1,4-DIMETHYLBENZENE)	27	ppm	2170	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

Analyzed by: 850, 53, 1440	Weight: 0.0277g	Extraction date: 12/14/22 13:45:00	Extracted by: 850
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Analysis Method : SOP.T.40.041.FL Analytical Batch : DA053581SOL Instrument Used : DA-GCMS-002 Running on : 12/15/22 07:08:36	Reviewed On : 12/15/22 11:09:46 Batch Date : 12/14/22 13:04:18
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Dilution : 1
 Reagent : 071420.56
 Consumables : R2017.167; KF140
 Pipette : DA-309 25 uL Syringe 35028

Residual solvents analysis is performed utilizing Gas Chromatography Mass Spectrometry in accordance with with F.S. Rule 64ER20-39.



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Sample : DA21214002-001

Harvest/Lot ID: M13Y01

Batch# : GRW0079

Sampled : 12/13/22

Ordered : 12/13/22

Sample Size Received : 19.20 gram

Total Amount : 19.20 gram

Completed : 12/16/22 Expires: 12/16/23

Sample Method : SOP.T.20.010.FL

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	Microbial	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Units	Result	Pass / Fail	Action Level
ASPERGILLUS TERREUS			Not Present	PASS	
ASPERGILLUS NIGER			Not Present	PASS	
ASPERGILLUS FUMIGATUS			Not Present	PASS	
ASPERGILLUS FLAVUS			Not Present	PASS	
SALMONELLA SPECIFIC GENE			Not Present	PASS	
ESCHERICHIA COLI SHIGELLA SPP			Not Present	PASS	
STAPHYLOCOCCUS AUREUS			Not Present	PASS	
PSEUDOMONAS AERUGINOSA			Not Present	PASS	
LISTERIA MONOCYTOGENES			Not Present	PASS	
TOTAL YEAST AND MOLD	10	CFU/g	<10	PASS	100000

Analyzed by: 3621, 3336, 585, 1440
Weight: 1.1204g
Extraction date: 12/14/22 11:49:10
Extracted by: 3390,3621

Analysis Method : SOP.T.40.056B, SOP.T.40.056C, SOP.T.40.058.FL, SOP.T.40.209.FL
Analytical Batch : DA053537MIC
Instrument Used : PathogenDx Scanner DA-111
Running on : 12/14/22 12:42:29
Reviewed On : 12/16/22 10:46:26
Batch Date : 12/14/22 08:03:59

Dilution : N/A
Reagent : 071122.R03; 110822.R31; 072122.30
Consumables : N/A
Pipette : N/A

Analyzed by: 3621, 3336, 585, 1440
Weight: 1.1204g
Extraction date: N/A
Extracted by: 3390,3621

Analysis Method : SOP.T.40.208 (Gainesville), SOP.T.40.209.FL
Analytical Batch : DA053559TYM
Instrument Used : Incubator (25-27C) DA-097
Running on : 12/14/22 12:42:47
Reviewed On : 12/16/22 15:22:40
Batch Date : 12/14/22 09:44:39

Dilution : N/A
Reagent : 071122.R03
Consumables : 004103
Pipette : N/A

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

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

Analyzed by: 585, 3379, 1440
Weight: 0.6361g
Extraction date: 12/14/22 13:51:43
Extracted by: 585,3379

Analysis Method : SOP.T.30.101.FL (Gainesville), SOP.T.40.101.FL (Gainesville), SOP.T.30.102.FL (Davie), SOP.T.40.102.FL (Davie)

Analytical Batch : DA053542MYC
Instrument Used : DA-LCMS-003 (MYC)
Running on : 12/14/22 16:26:31
Reviewed On : 12/16/22 11:42:41
Batch Date : 12/14/22 08:49:18

Mycotoxins testing utilizing Liquid Chromatography with Triple-Quadrupole Mass Spectrometry in accordance with F.S. Rule 64ER20-39.



Heavy Metals

PASSED

Metal	LOD	Units	Result	Pass / Fail	Action Level
TOTAL CONTAMINANT LOAD METALS	0.11	ppm	ND	PASS	5
ARSENIC	0.02	ppm	ND	PASS	1.5
CADMIUM	0.02	ppm	ND	PASS	0.5
LEAD	0.05	ppm	ND	PASS	0.5
MERCURY	0.02	ppm	ND	PASS	3

Analyzed by: 1022, 53, 1440
Weight: 0.6336g
Extraction date: 12/14/22 12:50:16
Extracted by: 1022

Analysis Method : SOP.T.30.082.FL, SOP.T.40.082.FL
Analytical Batch : DA053569HEA
Instrument Used : DA-ICPMS-003
Running on : 12/14/22 17:27:24
Reviewed On : 12/15/22 10:49:07
Batch Date : 12/14/22 11:19:14

Dilution : 50
Reagent : 112222.R82; 080222.R36; 120922.R03; 120822.R05; 120922.R01; 120922.R02; 112122.R11; 120922.R06; 100622.35
Consumables : 179436; 210508058; 210803-059
Pipette : DA-061; DA-106; DA-216

Heavy Metals analysis is performed using Inductively Coupled Plasma Mass Spectrometry in accordance with F.S. Rule 64ER20-39.





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Harvest/Lot ID: M13Y01

Batch# : GRW0079

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Sample Method : SOP.T.20.010.FL

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**Filth/Foreign
Material**

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filth and Foreign Material	0.5	%	ND	PASS	1

Analyzed by:	Weight:	Extraction date:	Extracted by:
1879, 1440	NA	N/A	N/A

Analysis Method : SOP.T.40.090

Analytical Batch : DA053571FIL

Instrument Used : Filth/Foreign Material Microscope

Running on : 12/15/22 07:46:15

Reviewed On : 12/15/22 07:54:42

Batch Date : 12/14/22 12:26:36

Dilution : N/A

Reagent : N/A

Consumables : N/A

Pipette : N/A

Filth and foreign material inspection is performed by visual inspection utilizing naked eye and microscope technologies in accordance with F.S. Rule 64ER20-39.