



Certificate of Analysis

Jan 25, 2021 | Green Roads

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



Sample: DA10120007-001

Harvest/Lot ID: G24W01B

Seed to Sale #N/A

Batch Date : 09/24/20

Batch#: BLK2010009

Sample Size Received: 21 gram

Retail Product Size: 0.72023

Ordered : 01/19/21

Sampled : 01/19/21

Completed: 01/25/21 Expires: 01/25/22

Sampling Method: SOP Client Method

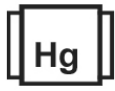
PASSED

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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

MISC.

CANNABINOID RESULTS



TOTAL THC
0.000%

TOTAL THC/Softgel : 0.000 mg



TOTAL CBD
3.505%

TOTAL CBD/Softgel : 25.244 mg



Total Cannabinoids
3.505%

Total Cannabinoids/Softgel : 25.244 mg

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
<0.010	ND	ND	ND	3.505%	ND	ND	ND	ND	ND	ND
<0.010	ND	ND	ND	35.050 mg/g	ND	ND	ND	ND	ND	ND
LOD 0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.0001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%

Filtration	PASSED
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Analyzed By	Weight	Extraction date	Extracted By
457	NA	NA	NA
Analyte	LOD	Result	
Filtration and Foreign Material	0.1	ND	
Analysis Method -SOP.T.40.013	Batch Date : 01/20/21 12:00:30		
Analytical Batch -DA021367FIL	Reviewed On : 01/20/21 16:23:36		
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	2.1643g	01/20/21 06:01:26	574
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 01/22/21 10:33:10	Batch Date : 01/20/21 13:57:06
Analytical Batch -DA021374POT		Instrument Used : DA-LC-003	

Reagent	Dilution	Consums. ID
110520.70	400	280670723
011521.R15		11989-024CC-024
011521.R14		76262-590
110220.45		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

01/25/2021

Signed On



Certificate of Analysis

PASSED
Green Roads

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Telephone: (954) 609-5537

Email: ashley@greenroads.com

Sample : DA10120007-001

Harvest/LOT ID: G24W01B

Batch# : BLK2010009

Sampled : 01/19/21

Ordered : 01/19/21

Sample Size Received : 21 gram

Completed : 01/25/21 **Expires:** 01/25/22

Sample Method : SOP Client Method

Page 2 of 5



Terpenes

TESTED

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-HUMULENE	0.007	%	ND	EUCALYPTOL	0.007	%	ND
ALPHA-CEDRENE	0.007	%	ND	ISOBORNEOL	0.007	%	ND
SABINENE	0.007	%	ND	HEXAHYDROT	0.007	%	ND
SABINENE	0.007	%	ND	HYMOL			
TERPINEOL	0.007	%	ND	FENCHYL	0.007	%	ND
TERPINOLENE	0.007	%	ND	ALCOHOL			
BETA-CARYOPHYLLENE	0.007	%	ND	3-CARENE	0.007	%	ND
TRANS-NEROLIDOL	0.007	%	ND	CIS-	0.007	%	ND
VALENCENE	0.007	%	ND	NEROLIDOL			
ALPHA-BISABOLOL	0.007	%	ND	ISOPULEGOL	0.007	%	ND
CARYOPHYLLENE	0.007	%	ND				
OXIDE							
CAMPFOR	0.013	%	ND				
CAMPHENE	0.007	%	ND				
BORNEOL	0.013	%	ND				
BETA-PINENE	0.007	%	ND				
BETA-MYRCENE	0.007	%	ND				
ALPHA-TERPINENE	0.007	%	ND				
ALPHA-PINENE	0.007	%	ND				
CEDROL	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				
Total			0.000				



Terpenes

TESTED
Analyzed by 1351 **Weight** 0.9614g **Extraction date** 01/21/21 08:01:49 **Extracted By** 1351

Analysis Method -SOP.T.40.090
Analytical Batch -DA021372TER **Reviewed On** - 01/22/21 08:01:32
Instrument Used : DA-GCMS-004
Running On : 01/21/21 15:58:57
Batch Date : 01/20/21 12:30:39

Reagent	Dilution	Consums. ID
011921.R10	10	287035261
011921.R11		76262-590
011320.R15		
011121.R45		

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.



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Harvest/LOT ID: G24W01B

Batch# : BLK2010009

Sampled : 01/19/21

Ordered : 01/19/21

Sample Size Received : 21 gram

Completed : 01/25/21 **Expires:** 01/25/22

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)	0.01	PPM	20	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL DIAZINON	0.01	PPM	0.2	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DIMETHOATE	0.01	ppm	0.1	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
ETOFENPROX	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
ETOXAZOLE	0.01	ppm	1.5	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
FENHEXAMID	0.01	ppm	3	ND	CHLORDANE *	0.01	PPM	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
FENPYROXIMATE	0.01	ppm	2	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FIPRONIL	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FLONICAMID	0.01	ppm	2	ND	CYPERMETHRIN *	0.01	PPM	1	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 0.9829g	Extraction date 01/20/21 05:01:20	Extracted By 1082, 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 - DA021379PES, DA021324VOL Instrument Used - DA-LCMS-003 (PES), DA-GCMS-006 Running On - 01/23/21 23:19:06, 01/20/21 18:37:30 Batch Date - 01/20/21 14:18:21			
Reagent 010421.R86 123020.R30 122120.R52 092820.S8	Dilution 25	Reviewed On- 01/20/21 16:23:36	
		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.

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Jorge Segredo
 Lab Director

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 PJLA-Testing 97164

Signature

01/25/2021

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Certificate of Analysis

PASSED
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Email: ashley@greenroads.com

Sample : DA10120007-001

Harvest/LOT ID: G24W01B

Batch# : BLK2010009

Sampled : 01/19/21

Ordered : 01/19/21

Sample Size Received : 21 gram

Completed : 01/25/21 **Expires:** 01/25/22

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 (PPM)	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 0.0291g	Extraction date 01/21/21 04:01:54	Extracted By 850
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Analysis Method -SOP.T.40.032
Analytical Batch -DA021386SOL
Instrument Used : DA-GCMS-002
Running On : 01/22/21 15:25:53
Batch Date : 01/20/21 16:28:22

Reviewed On - 01/25/21 16:23:47

Reagent	Dilution	Consums. ID
	1	G201.162 R2017.179

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: G24W01B

Batch# : BLK2010009

Sampled : 01/19/21

Ordered : 01/19/21


Sample Size Received : 21 gram

Completed : 01/25/21 **Expires:** 01/25/22

Sample Method : SOP Client Method

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	Microbials	PASSED
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	Mycotoxins	PASSED
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Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
ASPERGILLUS_TERREUS		not present in 1 gram.	TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.					
TOTAL YEAST AND MOLD	10	<10 CFU					

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
Analytical Batch -DA021344MIC , DA021345TYM Batch Date : 01/20/21, 01/20/21
Instrument Used : PathogenDx Scanner DA-111,
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1829, 1829	1.1452g	01/22/21	513,

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
011121.40	200103-274	2803031	2810019D	914C4-914AK
101420.21	3110	D009	2811020	929C6-929H
	001001	D006	918C4-918J	2807013
	TH093G	A12	20324	2809006
	11989-024CC-024	A10	012020	2804030
	2804029	037	200507119C	2808008

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 detection testing. Testing for these microorganisms may also be analyzed through a culture-based method that employs the use of differentiating plates that are used for the isolation and enumeration of a specific organism or organism groups (Method SOP.T.40.041).

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA021380MYC | Reviewed On - 01/24/21 23:33:42
Instrument Used :
Running On : 01/23/21 23:19:50
Batch Date : 01/20/21 14:20:20

Analyzed by	Weight	Extraction date	Extracted By
585	NA	01/22/21 12:01:10	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 <20ug/Kg.

	Heavy Metals	PASSED
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Reagent	Reagent	Dilution	Consums. ID
011521.R08	011521.R07	100	89401-566
101220.02	011521.R09		
011421.R09	011121.R02		
010621.R23	090420.14		
011121.R32	030420.06		
011121.R46	010121.01		

Metal	LOD	Unit	Result	Action Level (PPM)
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
1022	0.2469g	01/20/21 02:01:17	1879

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA021285HEA | Reviewed On - 01/21/21 13:44:59
Instrument Used : DA-ICPMS-002
Running On : 01/21/21 11:29:30
Batch Date : 01/19/21 12:16:10

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.

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