



Certificate of Analysis

Mar 23, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441



Sample: DA00312005-001

Harvest/Lot ID: C05W01

Seed to Sale #N/A

Batch Date :N/A

Batch#: BMR0092

Sample Size Received: 90.9

Retail Product Size: 90.9

Ordered : 03/06/20

Sampled : 03/06/20

Completed: 03/23/20 Expires: 03/23/21

Sampling Method: SOP Client Method

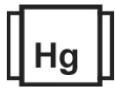
PASSED

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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

0.000%

THC/Container :0.000 mg



Total CBD

0.158%

CBD/Container :143.622 mg



Total Cannabinoids

0.173%

Total Cannabinoids/Container
:203.616 mg

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	0.015%	ND	ND	ND	ND	ND	ND	0.158%	ND	ND
ND	0.150 mg/g	ND	ND	ND	ND	ND	ND	1.580 mg/g	ND	ND
LOD 0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.0001	0.001
%	%	%	%	%	%	%	%	%	%	%

	Filtration	PASSED
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Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
584	1g	03/12/20		584
Analysis Method -SOP.T.40.013		Batch Date : 03/12/20 15:29:41		
Analytical Batch -DA010940FIL		Reviewed On - 03/12/20 15:31:26		
Instrument Used : Filth/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 :
1224	3.0313g	03/12/20 10:03:11	965
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 03/13/20 09:50:02	
Analytical Batch -DA010919POT		Batch Date : 03/12/20 09:45:30	

Reagent	Dilution	Consums. ID
022720.R11	40	180111 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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Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD	Units	Result (%)	Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.007	%	ND	EUCALYPTOL	0.007	%	0.086
ALPHA-HUMULENE	0.007	%	ND	ISOBORNEOL	0.007	%	ND
ALPHA-PINENE	0.007	%	0.270	HEXAHYDROTHYMOL	0.007	%	0.758
ALPHA-TERPINENE	0.007	%	ND	FENCHYL ALCOHOL	0.007	%	ND
BETA-MYRCENE	0.007	%	ND	3-CARENE	0.007	%	ND
BETA-PINENE	0.007	%	0.020	CIS-NEROLIDOL	0.007	%	ND
BORNEOL	0.013	%	ND	ISOPULEGOL	0.007	%	ND
CAMPHENE	0.007	%	0.068				
CAMPHOR	0.013	%	0.217				
CARYOPHYLLENE OXIDE	0.007	%	ND				
CEDROL	0.007	%	ND				
ALPHA-BISABOLOL	0.007	%	ND				
SABINENE	0.007	%	ND				
SABINENE HYDRATE	0.007	%	ND				
TERPINEOL	0.007	%	ND				
TERPINOLENE	0.007	%	ND				
BETA-CARYOPHYLLENE	0.007	%	ND				
TRANS-NEROLIDOL	0.007	%	ND				
VALENCENE	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	%	0.034				
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		1.457					



Terpenes

TESTED

Analyzed by 1351 Weight 0.9891g Extraction date 03/12/20 10:03:35 Extracted By 1351

Analysis Method -SOP.T.40.090
Analytical Batch -DA010913TER Reviewed On - 03/13/20 08:15:41
Instrument Used : Liquid Injection GCMS QP2010
Batch Date : 03/12/20 09:17:14

Reagent	Dilution	Consums. ID
021420.10	10	180111
012120.R13		280653964

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: C05W01

Batch# : BMR0092

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Ordered : 03/06/20

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Completed : 03/23/20 Expires: 03/23/21

Sample Method : SOP Client Method


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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND	DAMINOZIDE	0.02	ppm	0.1	ND
CYPERMETHRIN	0.05	ppm	1	ND	DIAZANON	0.01	ppm	0.2	ND
CYFLUTHRIN	0.05	ppm	1	ND	MEVINPHOS	0.01	ppm	0.1	ND
CHLORFENAPYR	0.01	ppm	0.1	ND	MYCLOBUTANIL	0.01	ppm	3	ND
METHYL PARATHION	0.005	ppm	0.1	ND	NALED	0.01	ppm	0.5	ND
CAPTAN	0.07	ppm	3	ND	OXAMYL	0.01	ppm	0.5	ND
ABAMECTIN B1A	0.02	ppm	0.3	ND	PACLOBUTRAZOL	0.01	ppm	0.1	ND
ACEPHATE	0.001	ppm	3	ND	PHOSMET	0.01	ppm	0.2	ND
DICHLORVOS	0.05	ppm	0.1	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	ND
DIMETHOMORPH	0.005	ppm	3	ND	PRALLETHRIN	0.05	ppm	0.4	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PROPOXUR	0.01	ppm	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PYRETHRINS	0.01	ppm	1	ND
ALDICARB	0.02	ppm	0.1	ND	PYRIDABEN	0.01	ppm	3	ND
ETOXENPROX	0.01	ppm	0.1	ND	SPINETORAM	0.01	PPM	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
ETOXAZOLE	0.01	ppm	1.5	ND	SPIROTETRAMAT	0.02	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
FENHEXAMID	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
FENOXYCARB	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	THIAMETHOXAM	0.01	ppm	1	ND
BOSCALID	0.01	PPM	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	ppm	20	ND
FENPYROXIMATE	0.01	ppm	2	ND	TOTAL PERMETHRIN	1	ppm	1	ND
CARBARYL	0.01	ppm	0.5	ND	TOTAL SPINOSAD	1	ppm	3	ND
FIPRONIL	0.02	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
FLONICAMID	0.01	ppm	2	ND					
CARBOFURAN	0.01	ppm	0.1	ND					
CHLORANTRANILIPROLE	0.01	ppm	3	ND					
FLUDIOXONIL	0.01	ppm	3	ND					
HEXYTHIAZOX	0.01	ppm	2	ND					
IMAZALIL	0.01	ppm	0.1	ND					
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND					
IMIDACLOPRID	0.01	ppm	3	ND					
CHLORPYRIFOS	0.01	ppm	0.1	ND					
KRESOXIM-METHYL	0.01	ppm	1	ND					
MALATHION	0.01	ppm	2	ND					
CLOFENTZINE	0.01	ppm	0.5	ND					
METALAXYL	0.01	ppm	3	ND					
COUMAPHOS	0.005	ppm	0.1	ND					
METHIOCARB	0.01	ppm	0.1	ND					
METHOMYL	0.01	ppm	0.1	ND					

<div></div>	Pesticides		PASSED
Analyzed by 585	Weight 1.0549g	Extraction date 03/12/20 10:03:27	Extracted By 1082
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090 , SOP.T.30.065, SOP.T.40.065, SOP.T40.060 and SOP.T.40.090			
Analytical Batch - DA010908PES		Reviewed On- 03/12/20 15:31:26	
Instrument Used : DA-LCMS-001_DER			
Batch Date : 03/12/20 09:09:22			
Reagent	Dilution	Consums. ID	
020720.03	10	180111	
031220.R10		280653964	
031220.R11			
Pesticide screen is performed using LC-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 SOP.T40.060 Procedure for Pesticide Quantification Using LCMS). Volatile Pesticides may be tested with GCMSMS under SOP.T.40.070 and SOP.T.40.090. * Pesticide screen is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 2 Volatile Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.090 Volatile Pesticides Analysis by GC-MS/MS)			



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Ordered : 03/06/20

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Completed : 03/23/20 **Expires:** 03/23/21

Sample Method : SOP Client Method

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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm		PASS	2731.193
ETHYL ACETATE	36	ppm	400	PASS	ND
ETHYL ETHER	45	ppm	500	PASS	ND
ETHYLENE OXIDE	0.6	ppm	5	PASS	ND
HEPTANE	45	ppm	5000	PASS	ND
METHANOL	22.5	ppm	250	PASS	ND
N-HEXANE	4.5	ppm	250	PASS	ND
PENTANES (N-PENTANE)	67.5	ppm	750	PASS	ND
PROPANE	120	ppm	5000	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

	Residual Solvents	PASSED
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Analyzed by 850 **Weight** 0.0259g **Extraction date** 03/13/20 05:03:36 **Extracted By** 850

Analysis Method -SOP.T.40.032

Analytical Batch -DA010970SOL

Reviewed On - 03/16/20 15:14:05

Instrument Used : Headspace GCMS

Batch Date : 03/13/20 17:10:49

Reagent	Dilution	Consums. ID
	1	00279984 161291-1 24154107

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.30.032 Residual Solvents Analysis via GC-MS).

Signed On