



Certificate of Analysis

Jan 06, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441



SAMPLE:DA00102011-001

Harvest/Lot ID: M19V01

Seed to Sale #N/A

Batch Date :

Batch#: BMR0060/19

Sample Size Received: 35.1 gram

Ordered : 01/02/20

Sampled : 01/02/20

Completed: 01/06/20 Expires: 01/06/21

Sampling Method: SOP Client Method

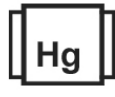
PASSED

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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
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC

0.011%

THC/Container :3.86 mg



Total CBD

4.203%

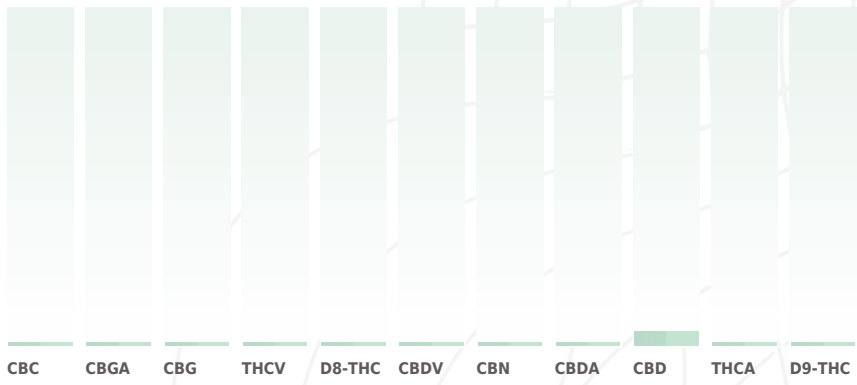
CBD/Container :1475.25 mg



Total Cannabinoids

4.320%

0.028 %	ND	0.034 %	ND	ND	0.044 %	ND	ND	4.203 %	ND	0.011 %
0.280 mg/g	ND	0.340 mg/g	ND	ND	0.440 mg/g	ND	ND	42.030 mg/g	ND	0.110 mg/g
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.001	0.0001




Filtration
PASSED

Analyte	Weight	Sample Prep	LOD	Extracted By
56	NA	NA	NA	NA

Analysis Method -SOP.T.40.013
Analytical Batch -NA

Instrument Used :

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 use for inspection.

Cannabinoid Profile Test

Analyzed by 1224	Weight 3.0170g	Extraction date : NA	Extracted By : NA
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Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA009086POT Instrument Used : DA-LC-003

Reagent	Dilution	Consums. ID
123019.R09		76124-662
122719.R07		SFN-BX-1025
122719.R06		849C4-849AK
		840C6-840H

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 # n/a
ISO Accreditation # 97164



Signature

01/06/2020

Signed On



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gram

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Action Level	Units	Result	Pesticides	LOD	Action Level	Units	Result
CHLORDANE	0.005	0.1	ppm	ND	DICHLORVOS	0.05	0.1	ppm	ND
CAPTAN	0.05	3	ppm	ND	METHIOCARB	0.01	0.1	ppm	ND
BOSCALID	0.01	3	PPM	ND	METHOMYL	0.01	0.1	ppm	ND
DIMETHOATE	0.01	0.1	ppm	ND	DIAZANON	0.01	0.2	ppm	ND
ABAMECTIN B1A	0.02	0.3	ppm	ND	MEVINPHOS	0.01	0.1	ppm	ND
CIS-PERMETHRIN	0.05	1	ppm	ND	MYCLOBUTANIL	0.01	3	ppm	ND
SPINETORAM	0.01	3	PPM	ND	NALED	0.01	0.5	ppm	ND
ACEPHATE	0.001	3	ppm	ND	OXAMYL	0.01	0.5	ppm	ND
DIMETHOMORPH	0.005	3	ppm	ND	PACLOBUTRAZOL	0.01	0.1	ppm	ND
ETHOPROPHOS	0.01	0.1	ppm	ND	TRANS-PERMETHRIN	0.05	1	ppm	ND
ACEQUINOCYL	0.01	2	ppm	ND	PHOSMET	0.01	0.2	ppm	ND
ACETAMIPRID	0.01	3	ppm	ND	PIPERONYL BUTOXIDE	0.01	3	ppm	ND
ETOFENPROX	0.01	0.1	ppm	ND	PRALLETHRIN	0.05	0.4	ppm	ND
ALDICARB	0.02	0.1	ppm	ND	PROPICONAZOLE	0.01	1	ppm	ND
ETOXAZOLE	0.01	1.5	ppm	ND	PROPOXUR	0.01	0.1	ppm	ND
AZOXYSTROBIN	0.01	3	ppm	ND	PYRETHRIN I	0.01	1	ppm	ND
FENHEXAMID	0.01	3	ppm	ND	PYRIDABEN	0.01	3	ppm	ND
BIFENAZATE	0.01	3	ppm	ND	SPINOSAD (SPINOSYN A)	0.01	3	ppm	ND
FENOXYCARB	0.01	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.01	3	ppm	ND
FENPYROXIMATE	0.01	2	ppm	ND	SPIROMESIFEN	0.01	3	ppm	ND
BIFENTHRIN	0.01	0.5	ppm	ND	SPIROTETRAMAT	0.02	3	ppm	ND
CARBARYL	0.01	0.5	ppm	ND	SPIROXAMINE	0.01	0.1	ppm	ND
FIPRONIL	0.02	0.1	ppm	ND	TEBUCONAZOLE	0.01	1	ppm	ND
FLONICAMID	0.01	2	ppm	ND	THIACLOPRID	0.01	0.1	ppm	ND
CARBOFURAN	0.01	0.1	ppm	ND	THIAMETHOXAM	0.01	1	ppm	ND
CHLORANTRANILIPROLE	0.01	3	ppm	ND	TRIFLOXYSTROBIN	0.01	3	ppm	ND
FLUDIOXONIL	0.01	3	ppm	ND					
HEXYTHIAZOX	0.01	2	ppm	ND					
CHLORFENAPYR	0.01	0.1	ppm	ND					
IMAZALIL	0.01	0.1	ppm	ND					
CHLORPYRIFOS	0.01	0.1	ppm	ND					
IMIDACLOPRID	0.01	3	ppm	ND					
CLOFENTEZINE	0.01	0.5	ppm	ND					
KRESOXIM-METHYL	0.01	1	ppm	ND					
COUMAPHOS	0.005	0.1	ppm	ND					
MALATHION	0.01	2	ppm	ND					
CYPERMETHRIN	0.01	1	ppm	ND					
DAMINOZIDE	0.02	0.1	ppm	ND					
METALAXYL	0.01	3	ppm	ND					

Pesticides				PASSED
Analyst 585	Weight 1.0320g	Sample Prep : NA	Extracted By : NA	
Analysis Method -SOP.T.30.065, SOP.T.40.065			Instrument Used : LCMS E-SHI-039	
Analytical Batch - DA009098PES				
Reagent 101519.04 010220.005 010220.006	Dilution	Consums. ID 180711		
SOP.T.30.065, SOP.T.40.065				

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Residual Solvents PASSED

Residual Solvents PASSED

SOLVENT	LOD	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
PROPANE	120	2100	PASS	ND
BUTANES (N-BUTANE)	96	2000	PASS	ND
ETHYLENE OXIDE	0.6	5	PASS	ND
METHANOL	22.5	250	PASS	ND
ETHANOL	90	5000	PASS	ND
PENTANES (N-PENTANE)	67.5	750	PASS	ND
ETHYL ETHER	45	500	PASS	ND
ACETONE	67.5	750	PASS	ND
2-PROPANOL	45	500	PASS	ND
ACETONITRILE	5.4	60	PASS	ND
DICHLOROMETHANE	11.25	125	PASS	ND
N-HEXANE	4.5	250	PASS	ND
ETHYL ACETATE	36	400	PASS	ND
BENZENE	0.09	1	PASS	ND
HEPTANE	45	500	PASS	ND
TOLUENE	13.5	150	PASS	ND
CHLOROFORM	0.18	2	PASS	ND
1,2-DICHLOROETHANE	0.18	2	PASS	ND
TRICHLOROETHYLENE	2.25	25	PASS	ND
1,1-DICHLOROETHENE	1	8	PASS	ND
TOTAL XYLENES	13.5	150	PASS	ND

Analyst 850 **Weight** 0.0278g **Sample Prep :** 2020-01-02 01:01:35 **Extracted By :** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA009111SOL **Instrument Used :** Headspace GCMS

Reagent	Dilution	Consums. ID
	1	00276446 161040-1 24152436

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).





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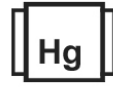
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Harvest/LOT ID: M19V01

Batch# : BMR0060/19
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Ordered : 01/02/20

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Mycotoxins **PASSED**



Heavy Metals **PASSED**

Analyte	LOD	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ND	
AFLATOXIN G1	0.002	ND	
AFLATOXIN B2	0.002	ND	
AFLATOXIN B1	0.002	ND	
OCHRATOXIN A+	0.002	ND	0.02
TOTAL AFLATOXINS	0.02	ND	0.02

Analysis Method -SOP.T.30.065,
SOP.T.40.065

Analytical Batch -DA009099

Instrument Used : LCMS
E-SHI-039

Analyst 585 **Weight** 1g **Sample Prep :** NA **Extracted By :** NA



Microbials **PASSED**

Analyte	LOD	Result
ASPERGILLUS_FLAVUS	1	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	1	not present in 1 gram.
ASPERGILLUS_NIGER	1	not present in 1 gram.
ASPERGILLUS_TERREUS	1	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	1	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	1	not present in 1 gram.
TOTAL_YEAST_AND_MOLD	1	not present in 1 gram.

Analysis Method -SOP.T.40.043

Analytical Batch -DA009094MIC **Instrument Used : PathogenDX**
PCR_Array Scanner

Analyst 513 **Weight** 1g **Sample Prep :** 2020-01-03 05:01:53 **Extracted By :** 513

Reagent	Dilution	Consums. ID
123019.R06	50	
122719.R01		
121319.R05		
122619.R01		
010220.R04		
111319.01		

Metal	LOD	Result	Action Level (PPM)
ARSENIC	0.01	ND	1.5
CADMIUM	0.01	ND	0.5
LEAD	0.01	ND	0.5
MERCURY	0.01	ND	3

Analyst 457 **Weight** 0.2582g **Sample Prep :** 2020-01-02 01:01:48 **Extracted By :** 457

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

Analytical Batch -DA009089HEA

Instrument Used :
ICPMS-2030

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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