



Certificate of Analysis

Sample: DA00626004-001
Harvest/Lot ID: 2016802
Cultivation Facility: N/A
Processing Facility: N/A
Seed to Sale #na
Batch Date : 06/18/20
Batch#: 2016802
Sample Size Received: 17 gram
Retail Product Size: 3.102 gram
Ordered : 06/25/20
Sampled : 06/18/20
Completed: 07/15/20 Expires: 07/15/21
Sampling Method: SOP.T.20.010

Jul 15, 2020 | Green Roads

5150 SW 48TH WAY
DAVIE, FL, 33314, USA

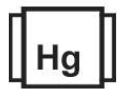


PASSED
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PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
NOT TESTED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
NOT TESTED

MISC.

CANNABINOID RESULTS



Total THC
0.000%
THC/Gummy : 0.000 mg



Total CBD
0.334%
CBD/Gummy : 10.361 mg



Total Cannabinoids
0.334%
Total Cannabinoids/Gummy : 10.361 mg



CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	ND	ND	ND	ND	ND	ND	0.334%	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	3.340 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
%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by : 450 Weight : 3.2051g Extraction date : 06/26/20 01:06:57 Extracted By : 965

Analysis Method -SOP.T.40.020, SOP.T.30.050 Reviewed On - 06/30/20 13:26:01
Analytical Batch -DA013479POT Instrument Used : DA-LC-003 Batch Date : 06/26/20 11:36:54

Reagent	Dilution	Consums. ID
032320.18	400	280678841
062420.R03		918C4-918J
062420.R02		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 # 97164



Signature

07/15/2020

Signed On



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PASSED

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Telephone: (844) 747-3367

Email: LAURA@GREENROADSWORLD.COM

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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	PRALLETHRIN	0.01	ppm	0.4	ND
ACEPHATE	0.01	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PROPOXUR	0.01	ppm	0.1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRIN I	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRIN II	0.01	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
BIFENAZATE	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINETORAM	0.02	PPM	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROMESIFEN	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
COUMAPHOS	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	1	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DICHLORVOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	CHLORDANE *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
ETOFENPROX	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
ETOXAZOLE	0.01	ppm	1.5	ND	CAPTAN *	0.025	PPM	3	ND
FENHEXAMID	0.01	ppm	3	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FENOXYCARB	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FENPYROXIMATE	0.01	ppm	2	ND	CYPERMETHRIN *	0.01	PPM	1	ND
FIPRONIL	0.01	ppm	0.1	ND					
FLONICAMID	0.01	ppm	2	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					
METHYL PARATHION	0.005	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	0.1	ppm	3	ND					

 **Pesticides** **PASSED**

Analyzed by 585 , 1665	Weight 0.9896g	Extraction date 06/26/20 02:06:19	Extracted By 1082 , 1665
Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070			
Analytical Batch - DA013474PES , DA013777VOL			
Instrument Used : DA-LCMS-001_DER (PES) , DA-GCMS-001			
Batch Date : 06/26/20 09:48:28			
Reagent	Dilution	Consums. ID	
050820.01 052420.001 062320.020 061920.019 043720.03	10	280678841 76262-590	
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.T40.065 Procedure for Pesticide Quantification Using LCMS). * 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 # 97164



Signature

07/15/2020

Signed On



Certificate of Analysis

PASSED

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Email: LAURA@GREENROADSWORLD.COM

Sample : DA00626004-001
Harvest/LOT ID: 2016802

Batch# : 2016802
Sampled : 06/18/20
Ordered : 06/25/20

Sample Size Received : 17 gram
Completed : 07/15/20 Expires: 07/15/21
Sample Method : SOP.T.20.010

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Residual Solvents

PASSED

Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	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	ND
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
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 (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** 0.0270g **Extraction date** 06/26/20 07:06:37 **Extracted By** 850
Analysis Method -SOP.T.40.032
Analytical Batch -DA013490SOL **Reviewed On - 07/01/20 14:47:07**
Instrument Used : DA-GCMS-002
Batch Date : 06/26/20 16:04:19

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

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



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Sample : DA00626004-001
Harvest/LOT ID: 2016802

Batch# : 2016802
Sampled : 06/18/20
Ordered : 06/25/20

Sample Size Received : 17 gram
Completed : 07/15/20 Expires: 07/15/21
Sample Method : SOP.T.20.010

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Microbials

PASSED



Mycotoxins

PASSED

Analyte

ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE

Result Analyte

not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.
not present in 1 gram.

LOD	Units	Result	Action Level (PPM)
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02
0.002	ppm	ND	0.02

Analysis Method -SOP.T.40.043 / SOP.T.40.045
Analytical Batch -DA013480MIC Batch Date : 06/26/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA013475MYC | Reviewed On - 07/06/20 19:05:06
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 06/26/20 09:50:04

Analyzed by	Weight	Extraction date	Extracted By
513	1.0741g	06/26/20	1082

Analyzed by	Weight	Extraction date	Extracted By
585	1g	06/26/20 03:06:02	585

Reagent	Reagent	Reagent	Reagent	Consums. ID	Consums. ID
052620.16	052720.208	052720.108	061920.39	181019-274	19323
101519.12	052720.166	052720.126	052720.252	SG298A	25219065
052720.47	052720.102	052720.141		181207119C	190827060
052720.52	052720.231	052720.149		918C4-918J	850C6-850H
052720.267	042920.179	052720.225		914C4-914AK	
052720.72	052720.148	052720.242		50AX30819	

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.

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.



Heavy Metals

PASSED

Reagent	Reagent	Dilution	Consums. ID
062520.R01	062320.R01	100	89401-566
030920.02	062320.R02		
062220.R02	062320.R03		
061220.R02	062520.R02		
062220.R04			
062320.R04			

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	ND	0.5
LEAD	0.05	PPM	ND	0.5
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2575g	06/26/20 03:06:18	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA013432HEA | Reviewed On - 06/29/20 13:52:40
Instrument Used : DA-ICPMS-002
Batch Date : 06/25/20 09:30:27

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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