



Certificate of Analysis

Aug 12, 2020 | Green Roads

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



Sample: DA00805019-001

Harvest/Lot ID: G13W02

Seed to Sale #N/A

Batch Date : 07/22/20

Batch#: G13W02

Sample Size Received: 1700 gram

Retail Product Size: 85 gram

Ordered : 08/05/20

Sampled : 08/05/20

Completed: 08/12/20 Expires: 08/12/21

Sampling Method: SOP Client Method

PASSED

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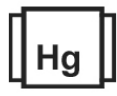
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
PASSED



Filtration
PASSED



Water Activity
PASSED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.

CANNABINOID RESULTS



Total THC

0.000%

THC/Container : 0.000 mg



Total CBD

0.886%

CBD/Container : 753.100 mg



Total Cannabinoids

0.989%

Total Cannabinoids/Container
: 840.650 mg

CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
ND	0.886%	ND	ND	0.013%	0.030%	ND	0.060%	ND	ND	ND
ND	8.860 mg/g	ND	ND	0.130 mg/g	0.300 mg/g	ND	0.600 mg/g	ND	ND	ND
LOD 0.001	0.0001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%

	Filtration	PASSED
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Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
53	2.0443g	08/06/20	53	53
Analysis Method -SOP.T.40.013 Batch Date : 08/06/20 16:29:33				
Analytical Batch -DA014594FIL Reviewed On - 08/06/20 18:01:17				
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	3.1996g	08/05/20 03:08:26	574
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Reviewed On - 08/06/20 15:47:44			
Analytical Batch -DA014544POT Instrument Used : DA-LC-003			
Batch Date : 08/05/20 13:47:54			

Reagent	Dilution	Consums. ID
061620.04	400	280650306
073020.R20		918C4-918J
062220.21		914C4-914AK
073020.R21		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).

	Water Activity	PASSED
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Analyte	Analyzed by	Weight	Ext. date	LOD	A.L	Result
Analysis Method -Water Activity						
SOP.T.40.010						
Batch Date : 08/06/20 16:34:20						
Analytical Batch -DA014595WAT						
Reviewed On - 08/06/20 18:00:57						
Instrument Used : DA-028 Rotronic Hygropalm						



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Telephone: (844) 747-3367

Email: LAURA@GREENROADSWORLD.COM

Sample : DA00805019-001

Harvest/LOT ID: G13W02

Batch# : G13W02

Sampled : 08/05/20

Ordered : 08/05/20

Sample Size Received : 1700 gram

Completed : 08/12/20 **Expires:** 08/12/21

Sample Method : SOP Client Method

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Terpenes

TESTED

Terpenes	LOD	Units	Result (%)
ALPHA-CEDRENE	0.007	%	ND
ALPHA-HUMULENE	0.007	%	ND
ALPHA-PINENE	0.007	%	0.103
ALPHA-TERPINENE	0.007	%	ND
BETA-MYRCENE	0.007	%	ND
BETA-PINENE	0.007	%	ND
BORNEOL	0.013	%	ND
CAMPHENE	0.007	%	ND
CAMPHOR	0.013	%	0.160
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	%	0.028
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	%	0.042
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 2.126

Terpenes	LOD	Units	Result (%)
EUCALYPTOL	0.007	%	0.566
ISOBORNEOL	0.007	%	ND
HEXAHYDROTHYMOL	0.007	%	1.225
FENCHYL ALCOHOL	0.007	%	ND
3-CARENE	0.007	%	ND
CIS-NEROLIDOL	0.007	%	ND
ISOPULEGOL	0.007	%	ND



Terpenes

TESTED

Analyzed by 1351	Weight 0.9207g	Extraction date 08/05/20 03:08:50	Extracted By 1351
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Analysis Method -SOP.T.40.090
Analytical Batch -DA014524TER
Reviewed On - 08/06/20 15:23:37
Instrument Used : DA-GCMS-005
Batch Date : 08/05/20 08:20:28

Reagent	Dilution	Consums. ID
080320.R05	10	280678841
080320.R06		76262-590
073020.R01		
080320.R18		

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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Sample : DA00805019-001

Harvest/LOT ID: G13W02

Batch# : G13W02

Sampled : 08/05/20

Ordered : 08/05/20

Sample Size Received : 1700 gram

Completed : 08/12/20 **Expires:** 08/12/21

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	PYRETHRINS	0.05	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPINETORAM	0.02	PPM	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPERMETHRIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINOXAMINE	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBARYL	0.05	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TRIFLOXSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DAMINOZIDE	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DIAZANON	0.01	ppm	0.2	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DICHLORVOS	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	1	ND
ETOFENPROX	0.01	ppm	0.1	ND					
ETOXAZOLE	0.01	ppm	1.5	ND					
FENHEXAMID	0.01	ppm	3	ND					
FENOXYCARB	0.01	ppm	0.1	ND					
FENPYROXIMATE	0.01	ppm	2	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					
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					
PRALLETHRIN	0.01	ppm	0.4	ND					



Pesticides

PASSED
Analyzed by 585 , 1665 **Weight** 1.0059g **Extraction date** 08/05/20 03:08:41 **Extracted By** 585 , 1665

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T.40.070
Analytical Batch - DA014529PES , DA014537VOL
Instrument Used : DA-LCMS-001_DER (PES) , DA-GCMS-007
Batch Date : 08/05/20 09:32:42

Reagent	Dilution	Consums. ID
052720.03 080420.017 080420.018 080420.015 070620.02	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.T.40.065 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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Sample : DA00805019-001

Harvest/LOT ID: G13W02

Batch# : G13W02

Sampled : 08/05/20

Ordered : 08/05/20

Sample Size Received : 1700 gram

Completed : 08/12/20 **Expires:** 08/12/21

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	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

	Residual Solvents	PASSED
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Analyzed by 850	Weight 0.0206g	Extraction date 08/05/20 02:08:26	Extracted By 850
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Analysis Method -SOP.T.40.032
Analytical Batch -DA014548SOL
Instrument Used : DA-GCMS-002
Batch Date : 08/05/20 14:19:41
Reviewed On - 08/06/20 15:57:47

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).



Cool Relief Roll-On 750mg - LongTerm Sample 1 of 7
na
Matrix : Derivative



PASSED

Email: LAURA@GREENROADSWORLD.COM

Ordered : 08/05/20

Sample Method : SOP Client Method

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PASSED



PASSED

ASPERGILLUS_FLAVUS
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_NIGER
ASPERGILLUS_TERREUS
ESCHERICHIA_COLI_SHIGELLA_SPP
SALMONELLA_SPECIFIC_GENE
STAPHYLOCOCCUS_AUREUS
TOTAL_AEROBIC_COUNT
PSEUDOMONAS_AERUGINOSA
TOTAL YEAST AND MOLD

[illegible]

Action Level (PPM)

0.02

0.02

0.02

0.02

0.02

Instrument Used : DA-LCMS-001_DER (MYC)

Batch Date : 08/05/20 09:35:19

Instrument Used : PathogenDX PCR_Array Scanner DA-111, PathogenDX PCR_DA-010, DA-111 PathogenDx Scanner, DA-089 Mini-amp Thermocycler

Extracted By
513, 513

Consums, ID

071020.09	181019-274
101619.03	SG298A
	11989-024CC-024
	181207119C
	918C4-918J
	914C4-914AK

50AX30819
19423
080717
850C6-850H

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-immunity testing.



PASSED

Consums, ID

073120.R04
080520.R17
030920.02
080320.R03
080420.R23
073020.R02

073020.R17
071420.R15
080420.R01
022520.02
030420.06
070120.01

100

89401-566

Action Level (PPM)

3

10

55

Extracted By
1783

Batch Date : 08/06/20 10:48:35

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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State License # CMTL-0002
ISO Accreditation # 97164


Signature

Signed On