



# Certificate of Analysis

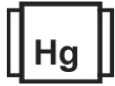
**Sample: DA00612007-005**
**Harvest/Lot ID: GR130FV**
**Cultivation Facility: N/A**
**Processing Facility: N/A**
**Seed to Sale #n/a**
**Batch Date : 06/11/20**
**Batch#: GR130FV**
**Sample Size Received: 71 gram**
**Retail Product Size: 71**
**Ordered : 06/11/20**
**Sampled : 06/11/20**
**Completed: 06/19/20 Expires: 06/19/21**
**Sampling Method: SOP.T.20.010**
**PASSED**

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Jun 19, 2020 | Green Roads

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

**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/Container : 0.000 mg**

**Total CBD**
**0.012%**
**CBD/Container : 8.520 mg**

**Total Cannabinoids**
**0.217%**
**Total Cannabinoids/Container : 154.070 mg**

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	0.186%	0.019%	ND	ND	ND	ND	ND	0.012%	ND	ND
ND	1.860 mg/g	0.190 mg/g	ND	ND	ND	ND	ND	0.120 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**

<b>Analyzed by</b> 574	<b>Weight</b> 3.0228g	<b>Extraction date :</b> 06/12/20 01:06:36	<b>Extracted By :</b> 965
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**Analysis Method -SOP.T.40.020, SOP.T.30.050**
**Reviewed On - 06/15/20 11:23:26**
**Analytical Batch -DA013136POT Instrument Used : DA-LC-001**
**Batch Date : 06/12/20 12:45:46**

<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>
121019.42	400	280678841 918C4-918J 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).

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Jorge Segredo**  
Lab Director

State License # n/a  
ISO Accreditation # 97164

Signature

06/19/2020

Signed On



# Certificate of Analysis

**PASSED**
**Green Roads**

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

**Telephone:** (844) 747-3367

**Email:** LAURA@GREENROADSWORLD.COM

**Sample :** DA00612007-005

**Harvest/LOT ID:** GR130FV

**Batch# :** GR130FV

**Sampled :** 06/11/20

**Ordered :** 06/11/20

**Sample Size Received :** 71 gram

**Completed :** 06/19/20 **Expires:** 06/19/21

**Sample Method :** SOP.T.20.010

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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	PYRETHRINS	0.05	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRIDABEN	0.02	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROTETRAMAT	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CARBARYL	0.05	ppm	0.5	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
DAMINOZIDE	0.01	ppm	0.1	ND					
DIAZANON	0.01	ppm	0.2	ND					
DICHLORVOS	0.01	ppm	0.1	ND					
DIMETHOATE	0.01	ppm	0.1	ND					
DIMETHOMORPH	0.02	ppm	3	ND					
ETHOPROPHOS	0.01	ppm	0.1	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					
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 , 795

**Weight**  
 1.0174g

**Extraction date**  
 06/12/20 02:06:07

**Extracted By**  
 585 , 795

**Analysis Method** - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070  
**Analytical Batch** - DA013096PES , DA013142VOL  
**Instrument Used** : DA-LCMS-001 FLO (PES) , DA-GCMS-001  
**Batch Date** : 06/11/20 09:18:48

**Reagent**

 050820.04  
 061020.R20  
 061020.R21  
 070819.10  
 060520.017

**Dilution**

10

**Consums. ID**

 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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 DAVIE, FL, 33314, USA

**Telephone:** (844) 747-3367

**Email:** LAURA@GREENROADSWORLD.COM

**Sample :** DA00612007-005

**Harvest/LOT ID:** GR130FV

**Batch# :** GR130FV

**Sampled :** 06/11/20


**Ordered :** 06/11/20

**Sample Size Received :** 71 gram

**Completed :** 06/19/20 **Expires:** 06/19/21

**Sample Method :** SOP.T.20.010

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	<b>Residual Solvents</b>	<b>PASSED</b>
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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		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

	<b>Residual Solvents</b>	<b>PASSED</b>
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<b>Analyzed by</b> 850	<b>Weight</b> 0.0208g	<b>Extraction date</b> 06/12/20 02:06:08	<b>Extracted By</b> 850
<b>Analysis Method -SOP.T.40.032</b>		<b>Reviewed On - 06/15/20 15:14:16</b>	
<b>Analytical Batch -DA013140SOL</b>			
<b>Instrument Used : DA-GCMS-002</b>			
<b>Batch Date : 06/12/20 14:02:19</b>			

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).





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**Email:** LAURA@GREENROADSWORLD.COM

**Sample :** DA00612007-005

**Harvest/LOT ID:** GR130FV

**Batch# :** GR130FV

**Sampled :** 06/11/20

**Ordered :** 06/11/20

**Sample Size Received :** 71 gram

**Completed :** 06/19/20 **Expires:** 06/19/21

**Sample Method :** SOP.T.20.010

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	<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ppm	ND	0.02
AFLATOXIN G1	0.002	ppm	ND	0.02
AFLATOXIN B2	0.002	ppm	ND	0.02
AFLATOXIN B1	0.002	ppm	ND	0.02
OCHRATOXIN A+	0.002	ppm	ND	0.02

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

**Analytical Batch -** DA013097MYC | **Reviewed On -** 06/16/20 11:01:10

**Instrument Used :** DA-LCMS-001\_FLO (MYC)

**Batch Date :** 06/11/20 09:19:45

Analyzed by	Weight	Extraction date	Extracted By
585	1g	06/12/20 03:06:48	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 <20µg/Kg.

Reagent	Reagent	Consums. ID
052720.182	052720.248	181207119C
052720.192		918C4-918J
052720.209		914C4-914AK
052720.154		929C6-929H
052720.158		50AX26219
052720.163		19323
052720.85		23819111
052720.118		190827060
052720.217		
042920.234		
042920.250		
042920.93		
042920.261		
052720.30		
052720.246		

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.

	<b>Microbials</b>	<b>PASSED</b>
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Analyte	Result
ASPERGILLUS_FLAVUS	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	not present in 1 gram.
ASPERGILLUS_NIGER	not present in 1 gram.
ASPERGILLUS_TERREUS	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	not present in 1 gram.
TOTAL_YEAST_AND_MOLD	<100

**Analysis Method -** SOP.T.40.043 / SOP.T.40.045

**Analytical Batch -** DA013127MIC | **Reviewed On -** 06/17/20 13:00:44

**Instrument Used :** PathogenDX PCR\_Array Scanner DA-111,PathogenDX PCR\_DA-171

**Batch Date :** 06/12/20 10:08:52

Analyzed by	Weight	Extraction date	Extracted By
513	1.0528g	06/12/20 11:06:47	1082

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Reagent	Consums. ID
061220.R01	061120.R01	89401-566
030920.02	061020.R13	
060820.R01	060120.R01	
061220.R02	060920.R02	
060820.R02		
061120.R02		

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	0.2392g	06/12/20 01:06:35	1022

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

**Analytical Batch -** DA013125HEA | **Reviewed On -** 06/15/20 15:58:34

**Instrument Used :** DA-ICPMS-002

**Batch Date :** 06/12/20 10:02:00

Reagent	Dilution	Consums. ID
052620.14		181019-274

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.