



# Certificate of Analysis

Oct 26, 2021 | Green Roads

601 Fairway Dr  
DEERFIELD BEACH, FL, 33441, US



Sample: DA1022013-001  
Harvest/Lot ID: K19X01  
Seed to Sale# N/A  
Batch Date: 10/19/21  
Batch#: BMR0025/GRW0058  
Sample Size Received: 30 gram  
Total Weight/Volume: N/A  
Retail Product Size: 30 gram  
Ordered : 10/21/21  
sampled : 10/21/21  
Completed: 10/26/21  
Sampling Method: SOP Client Method

**PASSED**

Page 1 of 4

## 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**

## CANNABINOID RESULTS



Total THC  
**0.000%**

TOTAL THC/Container : 0 mg



Total CBD  
**0.545%**

TOTAL CBD/Container : 163.5 mg



Total Cannabinoids  
**0.545%**

Total Cannabinoids/Container : 163.5 mg

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	<0.02	ND	ND	ND	0.545	ND	ND	ND	ND	ND	ND
mg/g	<0.2	ND	ND	ND	5.45	ND	ND	ND	ND	ND	ND
LOD	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%

Filtration	PASSED
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Analyzed By	Weight	Extraction date	Extracted By
457	NA	10/22/21	457
Analyte	LOD	Result	
Filtration and Foreign Material	0.1	ND	
Analysis Method -SOP.T.40.013	Batch Date : 10/22/21 11:24:41		
Analytical Batch -DA032987FIL	Reviewed On - 10/22/21 14:32:12		
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	2.5944g	10/22/21 03:10:08	574
Analysis Method -SOP.T.40.020, SOP.T.30.050	Reviewed On - 10/25/21 15:45:04	Batch Date : 10/22/21 12:59:06	
Analytical Batch -DA033001POT	Instrument Used : DA-LC-003 (Derivatives)	Running On : 10/22/21 22:16:04	

Reagent	Dilution	Consumers. ID
102221.R33	40	CE0123
083121.03		287035261
102221.R32		11945-019CD-019C
082321.05		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 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 # CMTL-0002  
ISO Accreditation # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

  
Signature

10/26/21

Signed On



# Certificate of Analysis

**PASSED**
**Green Roads**

 601 Fairway Dr  
 DEERFIELD BEACH, FL, 33441, US

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

**Email:** LAURA@GREENROADSWORLD.COM

**Sample :** DA11022013-001

**Harvest/LOT ID:** K19X01

**Batch# :**

BMR0025/GRW0058

**Sampled :** 10/21/21

**Ordered :** 10/21/21

**Sample Size Received :** 30 gram

**Total Weight/Volume :** N/A

**Completed :** 10/26/21 **Expires:** 10/26/22

**Sample Method :** SOP Client Method

Page 2 of 4



## Pesticides

**PASSED**

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND	PROPOXUR	0.01	ppm	0.1	ND
ACEPHATE	0.01	ppm	3	ND	PYRETHRINS	0.05	ppm	1	ND
ACEQUINOCL	0.01	ppm	2	ND	PYRIDABEN	0.02	ppm	3	ND
ACETAMIPRID	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
BIFENAZATE	0.01	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
BIFENTHRIN	0.01	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	3	ND	THIAMETHOXAM	0.05	ppm	1	ND
CARBARYL	0.05	ppm	0.5	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.05	PPM		ND
CARBOFURAN	0.01	ppm	0.1	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
COUMAPHOS	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DAMINOZIDE	0.01	ppm	0.1	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DIAZINON	0.01	ppm	3	ND	CAPTAN *	0.025	PPM	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETOFENPROX	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	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	1	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	0.3	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					
PROPICONAZOLE	0.01	ppm	1	ND					



## Pesticides

**PASSED**
**Analyzed by**

585, 1665

**Weight**

0.2411g

**Extraction date**

10/22/21 03:10:18

**Extracted By**

585, 585

**Analysis Method** - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070, SOP.T.30.065,

SOP.T.40.070

**Analytical Batch** - DA032970PES, DA032961VOL

**Reviewed On** - 10/22/21

14:32:12

**Instrument Used** : DA-LCMS-003 (PES), DA-GCMS-006

**Running On** : 10/22/21 17:01:12, 10/22/21 17:12:44

**Batch Date** : 10/22/21 10:04:19

**Reagent**

101221.R06

091321.R19

102221.R02

102221.R01

092820.S09

**Dilution**

250

**Consums. ID**

6524407-03

Pesticide screen is performed using LC-MS and/or GC-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 GCMSMS. SOP.T.40.065/SOP.T.40.066/SOP.T.40.070 Procedure for Pesticide Quantification Using LCMS and GCMS). \* 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.

**Jorge Segredo**

Lab Director

State License # CMTL-0002

ISO Accreditation # ISO/IEC

17025:2017 Accreditation

PJLA-Testing 97164

Signature

10/26/21

Signed On



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

**Email:** LAURA@GREENROADSWORLD.COM

**Sample :** DA11022013-001

**Harvest/LOT ID:** K19X01

**Batch# :**

BMR0025/GRW0058

**Sampled :** 10/21/21

**Ordered :** 10/21/21

**Sample Size Received :** 30 gram

**Total Weight/Volume :** N/A

**Completed :** 10/26/21 **Expires:** 10/26/22

**Sample Method :** SOP Client Method

Page 3 of 4


**Residual Solvents**
**PASSED**

**Residual Solvents**
**PASSED**

Solvent	LOD	Units	Action Level	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	<125
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
2-PROPANOL	50	ppm		PASS	<250
ACETONITRILE	6	ppm	60	PASS	<30
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by	Weight	Extraction date	Extracted By
850	0.02g	10/25/21 12:10:42	850

**Analysis Method -SOP.T.40.032**
**Analytical Batch -DA033020SOL** **Reviewed On - 10/25/21 13:46:44**
**Instrument Used : DA-GCMS-002**
**Running On :**
**Batch Date : 10/22/21 16:17:59**

Reagent	Dilution	Consums. ID
030420.09	1	R2017.271 G201.062

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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**Sample :** DA11022013-001

**Harvest/LOT ID:** K19X01

**Batch# :**

BMR0025/GRW0058

**Sampled :** 10/21/21

**Ordered :** 10/21/21

**Sample Size Received :** 30 gram

**Total Weight/Volume :** N/A

**Completed :** 10/26/21 **Expires:** 10/26/22

**Sample Method :** SOP Client Method

Page 4 of 4

	<b>Microbials</b>	<b>PASSED</b>
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Analyte	LOD	Result	Action Level
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	
ASPERGILLUS_FLAVUS		not present in 1 gram.	
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	
ASPERGILLUS_TERREUS		not present in 1 gram.	
ASPERGILLUS_NIGER		not present in 1 gram.	
PSEUDOMONAS_AERUGINOSA		not present in 1 gram.	
STAPHYLOCOCCUS_AUREUS		not present in 1 gram.	
TOTAL YEAST AND MOLD	10	<10 CFU	100000

**Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041**
**Analytical Batch -DA032962MIC , DA033016TYM Batch Date : 10/22/21 09:23:52, 10/22/21 15:47:27**
**Instrument Used : PathogenDx Scanner DA-111,**
**Running On :**

Analyzed by	Weight	Extraction date	Extracted By
513, 2682	0.9679g	10/22/21 01:10:44	513,

Reagent	Dilution
101521.R30	1
090821.R61	
082321.12	
100121.R32	
021921.32	

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. Pour-plating is used for quantitation and confirmation, Total Yeast and Mold has an action limit of 100,000 CFU.

	<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	Action Level
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 -DA032971MYC | Reviewed On - 10/24/21 23:32:58**
**Instrument Used : DA-LCMS-003 (MYC)**
**Running On : 10/22/21 17:01:22**
**Batch Date : 10/22/21 10:05:35**

Analyzed by	Weight	Extraction date	Extracted By
585	g	10/22/21 02:10:51	585

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T.40.065 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Aflatoxin B1, B2, G1, and G2 must individually be <20ug/Kg. Ochratoxins must be <20ug/Kg.

	<b>Heavy Metals</b>	<b>PASSED</b>
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Reagent	Reagent	Reagent	Dilution	Consums. ID
100121.06	101821.R02	071321.19	100	179436
100821.R62	101821.R03			3146-870-008
101821.R10	121020.12			12265-115CC
101421.R04	100421.R31			
101821.R08	101521.R28			
101821.R04	021921.13			

Metal	LOD	Unit	Result	Action Level
ARSENIC	0.02	PPM	<0.1	3
CADMIUM	0.02	PPM	ND	
MERCURY	0.02	PPM	ND	55
LEAD	0.05	PPM	0.7	10

Analyzed by	Weight	Extraction date	Extracted By
1022	0.25g	10/22/21 02:10:00	1879

**Analysis Method -SOP.T.40.050, SOP.T.30.052, SOP.T.30.053, SOP.T.40.051**
**Analytical Batch -DA032959HEA | Reviewed On - 10/25/21 15:28:50**
**Instrument Used : DA-ICPMS-003**
**Running On : 10/22/21 18:13:43**
**Batch Date : 10/22/21 08:51:53**

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometer) using Method SOP.T.30.052, SOP.T.30.053 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.050, SOP.T.40.051 Heavy Metals Analysis via ICP-MS.