



# Certificate of Analysis

Aug 18, 2021 | Green Roads

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



Sample: DA10816001-001

Harvest/Lot ID: GRZ03

Seed to Sale# n/a

Batch Date: 08/11/21

Batch#: GRZ03

Sample Size Received: 120 gram

Total Weight/Volume: 120 gram

Retail Product Size: 120 gram

Ordered : 08/14/21

sampled : 08/14/21

Completed: 08/18/21

Sampling Method: SOP Client Method

**PASSED**

Page 1 of 4

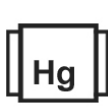
## PRODUCT IMAGE



## 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 CBD  
**0.704%**



Total Cannabinoids  
**0.727%**

	CBDV	CBD	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	0.002	ND	ND	0.021	0.704	ND	ND	ND	ND	<0.010	ND
mg/g	0.02	ND	ND	0.21	7.04	ND	ND	ND	ND	<0.010	ND
LOD	0.0010	0.0010	0.0010	0.0010	0.0001	0.0010	0.0010	0.0001	0.0010	0.0010	0.0010
%	%	%	%	%	%	%	%	%	%	%	%

Filtration	PASSED
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Analyzed By	Weight	Extraction date	Extracted By
457	NA	08/16/21	457
Analyte	LOD	Result	
Filtration and Foreign Material	0.1	ND	
Analysis Method -SOP.T.40.013	Batch Date : 08/16/21 11:29:20		
Analytical Batch -DA030000FIL	Reviewed On - 08/16/21 13:42:48		
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	2.6009g	08/16/21 01:08:13	2198
Analysis Method -SOP.T.40.020, SOP.T.30.050	Reviewed On - 08/17/21 10:44:32	Batch Date : 08/16/21 10:02:07	
Analytical Batch -DA029991POT	Instrument Used : DA-LC-003	Running On : 08/16/21 17:44:05	

Reagent	Dilution	Consums. ID
110220.174	40	CE0123
081121.R60		287035261
081121.R59		11945-019CD-019C
073021.31		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 # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164

Signature

08/18/21

Signed On



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 5150 SW 48TH WAY  
 DAVIE, FL, 33314, US  
**Telephone:** (844) 747-3367  
**Email:** LAURA@GREENROADSWORLD.COM

**Sample : DA10816001-001**
**Harvest/LOT ID: GRZ03**
**Batch# : GRZ03**
**Sampled : 08/14/21**
**Ordered : 08/14/21**
**Sample Size Received : 120 gram**
**Total Weight/Volume : 120 gram**
**Completed : 08/18/21 Expires: 08/18/22**
**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
ACEQUINOCYL	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	20	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**

<b>Analyzed by</b> 585 , 1665	<b>Weight</b> 0.8506g	<b>Extraction date</b> 08/16/21 02:08:34	<b>Extracted By</b> 1665 , 1665
<b>Analysis Method</b> - SOP.T.30.065, SOP.T.40.065, SOP.T.40.066, SOP.T.40.070 , SOP.T.30.065, SOP.T40.070 <b>Analytical Batch</b> - DA029988PES , DA029886VOL			
<b>Instrument Used</b> : DA-LCMS-003 (PES) , DA-GCMS-006		<b>Reviewed On</b> - 08/16/21 13:42:48	
<b>Running On</b> : 08/16/21 16:49:30 , 08/13/21 17:34:38		<b>Batch Date</b> : 08/16/21 09:57:39	
<b>Reagent</b>	<b>Dilution</b>	<b>Consums. ID</b>	
081321.R14 080521.R32 080521.R33 081321.R01 092820.S9	25	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.T40.065/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.			

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**Jorge Segredo**  
 Lab Director

 State License # CMTL-0002  
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 PJLA-Testing 97164

  
 Signature

08/18/21

Signed On



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 DAVIE, FL, 33314, US  
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**Email:** LAURA@GREENROADSWORLD.COM

**Sample :** DA10816001-001

**Harvest/LOT ID:** GRZ03

**Batch# :** GRZ03

**Sampled :** 08/14/21

**Ordered :** 08/14/21

**Sample Size Received :** 120 gram

**Total Weight/Volume :** 120 gram

**Completed :** 08/18/21 **Expires:** 08/18/22

**Sample Method :** SOP Client Method

Page 3 of 4

	<b>Residual Solvents</b>	<b>PASSED</b>
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	<b>Residual Solvents</b>	<b>PASSED</b>
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Solvent	LOD	Units	Action Level	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
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	500	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
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	0.027g	08/16/21 12:08:04	850
<b>Analysis Method -SOP.T.40.032</b> <b>Analytical Batch -DA030003SOL</b> <b>Instrument Used : DA-GCMS-003</b> <b>Running On : 08/16/21 12:41:51</b> <b>Batch Date : 08/16/21 12:17:59</b>			
<b>Reviewed On - 08/17/21 14:09:39</b>			
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 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.	

**Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041**
**Analytical Batch -DA030015MIC Batch Date : 08/17/21**
**Instrument Used : PathogenDx Scanner DA-111**
**Running On : 08/17/21**

Analyzed by	Weight	Extraction date	Extracted By
1829	1.079g	08/17/21	513

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071921.R36	200103-274	2803035	28100332B	20334
072621.19	3110	D013	2809006	227941
021921.44	TH093G	D012	046	201126119C
	004103	A17	2804033	009C6-009
	11989-024CC-024	A16	2808010	914C4-914AK
	2802029	2807016	2811026	929C6-929H

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 -DA029989MYC | Reviewed On - 08/18/21 11:33:14**
**Instrument Used : DA-LCMS-003 (MYC)**
**Running On : 08/16/21 16:51:15**
**Batch Date : 08/16/21 09:58:31**

Analyzed by	Weight	Extraction date	Extracted By
585	g	08/16/21 03:08:34	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
050121.01	081621.R12	073021.R32	100	3146-870-008
072721.R46	081021.R58	030420.08		11989-024CC-024
080421.R56	081621.R10			
080421.R57	081621.R11			
080421.R58	121020.12			
072721.R50	080321.R05			

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2128g	08/16/21 02:08:00	1022

**Analysis Method -SOP.T.40.050, SOP.T.30.052, SOP.T.30.053, SOP.T.40.051**
**Analytical Batch -DA029981HEA | Reviewed On - 08/17/21 08:52:30**
**Instrument Used : DA-ICPMS-003**
**Running On : 08/16/21 17:12:43**
**Batch Date : 08/16/21 09:46:49**

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.

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