



# Certificate of Analysis

Mar 03, 2021 | Green Roads

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



Sample: DA10226008-001  
Harvest/Lot ID: 20210223GR  
Seed to Sale #N/A  
Batch Date : 02/23/21  
Batch#: 20210223GR  
Sample Size Received: 84 gram  
Retail Product Size: 42  
Ordered : 02/23/21  
sampled : 02/23/21  
Completed: 03/03/21 Expires: 03/03/22  
Sampling Method: SOP Client Method

**PASSED**

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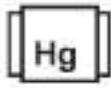
PRODUCT IMAGE



SAFETY RESULTS



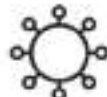
Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**NOT TESTED**

MISC.

CANNABINOID RESULTS



Total THC  
**0.0%**

TOTAL THC/Container : 0.000 mg



Total CBD  
**0.4%**

TOTAL CBD/Container : 198.660 mg



Total Cannabinoids  
**0.4%**

Total Cannabinoids/Container : 198.660 mg

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
ND	ND	ND	ND	0.4%	ND	ND	ND	ND	ND	ND
ND	ND	ND	ND	4.7 mg/g	ND	ND	ND	ND	ND	ND
LOD 0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.0001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%

**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By	NA Result
457	NA	NA		NA
Analyte			LOD	Result
Filtration and Foreign Material			0.1	ND
Analysis Method -SOP.T.40.013		Batch Date : 02/26/21 10:54:25		
Analytical Batch -DA023090FIL		Reviewed On - 02/26/21 13:57:24		
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	2.9913g	NA	NA
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 03/01/21 14:08:32	Batch Date : 02/26/21 08:52:41
Analytical Batch -DA023067POT		Instrument Used : DA-LC-003	

Reagent	Dilution	Consums. ID
110520.94	40	287035261
022221.R36		76262-590
020121.50		914C4-914AK
022221.R33		929C6-929H
021221.17		

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

03/03/2021

Signed On



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DAVIE, FL, 33314, US

Telephone: (844) 747-3367

Email: LAURA@GREENROADSWORLD.COM

Sample : DA10226008-001

Harvest/LOT ID: 20210223GR

Batch# : 20210223GR

Sampled : 02/23/21

Ordered : 02/23/21

Sample Size Received : 84 gram

Completed : 03/03/21 Expires: 03/03/22

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	PYRETHRIN I	0.01	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRETHRIN II	0.01	ppm	1	ND
ALDICARB	0.01	ppm	0.1	ND	PYRETHRINS	0.05	ppm	1	ND
AZOXYSTROBIN	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPINETORAM	0.02	PPM	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
BOSCALID	0.01	PPM	3	ND	SPINOSAD (SPINOSYN D)	0.01	ppm	3	ND
CARBARYL	0.05	ppm	0.5	ND	SPIROMESIFEN	0.01	ppm	3	ND
CARBOFURAN	0.01	ppm	0.1	ND	SPIROTETRAMAT	0.01	ppm	3	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	SPIROXAMINE	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND	THIACLOPRID	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND	THIAMETHOXAM	0.05	ppm	1	ND
COUMAPHOS	0.01	ppm	0.1	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.01	PPM	20	ND
DAMINOZIDE	0.01	ppm	0.1	ND	TOTAL DIAZINON	0.01	PPM	0.2	ND
DIAZANON	0.01	ppm	0.2	ND	TOTAL DIMETHOMORPH	0.02	PPM	3	ND
DICHLORVOS	0.01	ppm	0.1	ND	TOTAL PERMETHRIN	0.01	ppm	1	ND
DIMETHOATE	0.01	ppm	0.1	ND	TOTAL SPINETORAM	0.02	PPM	3	ND
DIMETHOMORPH	0.02	ppm	3	ND	TOTAL SPINOSAD	0.01	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	TRIFLOXYSTROBIN	0.01	ppm	3	ND
ETOFENPROX	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB)	0.01	PPM	0.2	ND
ETOXAZOLE	0.01	ppm	1.5	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
FENHEXAMID	0.01	ppm	3	ND	CAPTAN *	0.025	PPM	3	ND
FENOXYCARB	0.01	ppm	0.1	ND	CHLORDANE *	0.01	PPM	0.1	ND
FENPYROXIMATE	0.01	ppm	2	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
FIPRONIL	0.01	ppm	0.1	ND	CYFLUTHRIN *	0.01	PPM	1	ND
FLONICAMID	0.01	ppm	2	ND	CYPERMETHRIN *	0.01	PPM	1	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	0.3	ppm	3	ND					
PRALLETHRIN	0.01	ppm	0.4	ND					



## Pesticides

**PASSED**

<b>Analyzed by</b> 585 , 1665	<b>Weight</b> 0.966g	<b>Extraction date</b> NA	<b>Extracted By</b> NA ,
<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.T.40.070			
<b>Analytical Batch</b> - DA023025PES , DA023068VOL			
<b>Instrument Used</b> : DA-LCMS-003 (PES) , DA-GCMS-006			<b>Reviewed On</b> - 02/26/21 13:57:24
<b>Running On</b> : 03/02/21 11:09:54 , 02/26/21 16:30:14			<b>Batch Date</b> : 02/25/21 12:33:12
<b>Reagent</b> 010421.886 139020.830 022021.834 092020.58	<b>Dilution</b> 25	<b>Consums. ID</b> 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.			

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**Jorge Segredo**  
Lab Director

State License # CMTL-0002  
ISO Accreditation # ISO/IEC  
17025:2017 Accreditation  
PJLA-Testing 97164



Signature

03/03/2021

Signed On



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**Green Roads**

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

Sample : DA10226008-001  
Harvest/LOT ID: 20210223GR

Batch# : 20210223GR Sample Size Received : 84 gram  
Sampled : 02/23/21 Completed : 03/03/21 Expires: 03/03/22  
Ordered : 02/23/21 Sample Method : SOP Client Method

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## Residual Solvents

PASSED



## Residual Solvents

PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	3000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	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 0.0218g Extraction date NA Extracted By NA  
 Analysis Method -SOP.T.40.032  
 Analytical Batch -DA023105SOL Reviewed On - 03/01/21 13:27:21  
 Instrument Used : DA-GCMS-002  
 Running On :  
 Batch Date : 02/26/21 14:17:18

Reagent	Dilution	Consums. ID
	1	G201.162 R2017.217

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 : DA10226008-001  
Harvest/LOT ID: 20210223GR

Batch# : 20210223GR Sample Size Received : 84 gram  
Sampled : 02/23/21 Completed : 03/03/21 Expires: 03/03/22  
Ordered : 02/23/21 Sample Method : SOP Client Method

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**Microbials** **PASSED**



**Mycotoxins** **PASSED**

Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
ASPERGILLUS_TERREUS		not present in 1 gram.	TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.					
TOTAL YEAST AND MOLD	10	<10 CFU					

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041  
Analytical Batch -DA023047MIC , DA023053TYM Batch Date : 02/26/21, 02/26/21  
Instrument Used : PathogenDx Scanner DA-111,  
Running On : 02/26/21, 03/01/21

Analyzed by	Weight	Extraction date	Extracted By
1794, 1794	0.9524g	NA	NA, 513

Analyzed by	Weight	Extraction date	Extracted By
585	NA	02/26/21 07:02:14	585

Reagent Consums. ID	Consums. ID	Consums. ID	Consums. ID	Consums. ID
011121.31	200103-274	2804029	039	2811020
101420.21	3110	2803033	2807013	20324
	218917	D010	2810013G	012020
	002005	D008	2809006	009C6-009
	11.12.2020.MIC	A12	2804030	200507119C
	11989-024CC-024	A10	2808009	914C4-914AK

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 detection testing. Testing for these microorganisms may also be analyzed through a culture-based method that employs the use of differentiating plates that are used for the isolation and enumeration of a specific organism or organism groups (Method SOP.T.40.041).



**Heavy Metals** **PASSED**

Reagent	Reagent	Dilution	Consums. ID
022521.R06	022321.R05	100	89401-566
022221.R42	022221.R02		
020921.R11	121420.01		
022321.R08	090420.14		
021921.R02	030420.08		
020521.R14	020121.66		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	PPM	ND	1.5
CADMIUM	0.02	PPM	<0.100	0.5
MERCURY	0.02	PPM	ND	3
LEAD	0.05	PPM	ND	0.5

Analyzed by	Weight	Extraction date	Extracted By
1022	0.2594g	NA	NA

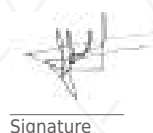
Analysis Method -SOP.T.40.050, SOP.T.30.052  
Analytical Batch -DA023077HEA | Reviewed On - 03/01/21 10:53:23  
Instrument Used : DA-ICPMS-002  
Running On : 03/01/21 10:13:20  
Batch Date : 02/26/21 10:33:28

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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