



Certificate of Analysis

Sample: DA10402005-001
Harvest/Lot ID: GRZ01
Seed to Sale #N/A
Batch Date : 03/26/21
Batch#: GRZ01
Sample Size Received: 40 gram
Total Weight/Volume: N/A
Retail Product Size: 120 gram
Ordered : 03/31/21
sampled : 03/31/21
Completed: 04/05/21 Expires: 04/05/22
Sampling Method: SOP Client Method

PASSED

Page 1 of 4

Apr 05, 2021 | Green Roads

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



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
0.000%



Total CBD
0.584%



Total Cannabinoids
0.610%

	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	<0.010	ND	ND	<0.010	0.584	ND	0.010	ND	ND	0.016	ND
mg/g	<0.010	ND	ND	<0.010	5.840	ND	0.100	ND	ND	0.160	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
457	NA	NA	NA
Analyte		LOD	Result
Filtration and Foreign Material		0.1	ND
Analysis Method -SOP.T.40.013		Batch Date : 04/02/21 10:19:11	
Analytical Batch -DA024619FIL		Reviewed On - 04/02/21 10:34:30	
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-28/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	2.4284g	04/02/21 11:04:43	1823
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 04/05/21 12:06:56	Batch Date : 04/02/21 09:43:38
Analytical Batch -DA024611POT		Instrument Used : DA-LC-003	

Reagent	Dilution	Consums. ID
102320.76	40	287035261
033121.R19		11945-019CD-019C
033121.R18		76262-590
032221.21		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

04/06/2021

Signed On



Certificate of Analysis

PASSED

Green Roads

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

Sample : DA10402005-001
Harvest/LOT ID: GRZ01

Batch# : GRZ01
Sampled : 03/31/21
Ordered : 03/31/21

Sample Size Received : 40 gram
Total Weight/Volume : N/A
Completed : 04/05/21 Expires: 04/05/22
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	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
CHLORANTRANILPROLE	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)	0.1	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

Analyzed by 585 , 1665	Weight 1.0485g	Extraction date 04/02/21 11:04:25	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.T40.070			
Analytical Batch - DA024610PES , DA024598VOL		Reviewed On- 04/02/21 10:34:30	
Instrument Used : DA-LCMS-003 (PES) , DA-GCMS-001			
Running On : 04/02/21 15:11:51 , 04/02/21 15:11:14		Batch Date : 04/02/21 09:43:37	
Reagent	Dilution	Consums. ID	
010421.A86 123220.R30 031721.R08 03121.R08 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
ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164



Signature

04/06/2021

Signed On



Certificate of Analysis

PASSED

Green Roads

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

Sample : DA10402005-001
Harvest/LOT ID: GRZ01

Batch# : GRZ01
Sampled : 03/31/21
Ordered : 03/31/21

Sample Size Received : 40 gram
Total Weight/Volume : N/A
Completed : 04/05/21 **Expires:** 04/05/22
Sample Method : SOP Client Method

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	3000	PASS	ND
ETHANOL	500	ppm	5000	PASS	<2500.000
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	Weight	Extraction date	Extracted By
850	0.0224g	04/02/21 05:04:20	850
Analysis Method -SOP.T.40.032		Reviewed On - 04/05/21 15:51:41	
Analytical Batch -DA024645SOL			
Instrument Used : DA-GCMS-002			
Running On :			
Batch Date : 04/02/21 17:21:37			

Reagent	Dilution	Consums. ID
	1	00268767 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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Certificate of Analysis

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Green Roads

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

Sample : DA10402005-001
Harvest/LOT ID: GRZ01


Batch# : GRZ01
Sampled : 03/31/21
Ordered : 03/31/21

Sample Size Received : 40 gram
Total Weight/Volume : N/A
Completed : 04/05/21 Expires: 04/05/22
Sample Method : SOP Client Method

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Microbials
PASSED



Mycotoxins
PASSED

Analyte	LOD	Result	Action Level (cfu/g)
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 -DA024594MIC Batch Date : 04/02/21
Instrument Used : PathogenDx Scanner DA-111
Running On :

Analyzed by	Weight	Extraction date	Extracted By
1829	NA	NA	NA

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.

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
TOTAL OCHRATOXIN A	0.002	PPM	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA024612MYC | Reviewed On - 04/05/21 16:02:22
Instrument Used :
Running On : 04/02/21 15:11:59
Batch Date : 04/02/21 09:45:42

Analyzed by	Weight	Extraction date	Extracted By
585	NA	04/02/21 12:04:20	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 <20µg/Kg.



Heavy Metals
PASSED

Dilution
100

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2527g	04/02/21 10:04:32	1879

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA024606HEA | Reviewed On - 04/05/21 14:59:22
Instrument Used : DA-ICPMS-002
Running On : 04/05/21 07:50:54
Batch Date : 04/02/21 09:37:28

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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Jorge Segredo
Lab Director

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04/06/2021

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Certificate of Analysis

Sample: DA01028007-001
Harvest/Lot ID: 2027903
Seed to Sale #N/A
Batch Date : 10/26/20
Batch#: 2027903
Sample Size Received: 77 gram
Total Weight/Volume: N/A
Retail Product Size: 105 gram gram
Ordered : 10/26/20
sampled : 10/26/20
Completed: 04/22/21
Sampling Method: SOP Client Method

Apr 22, 2021 | Green Roads

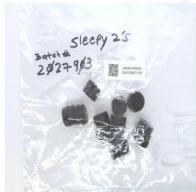
5150 SW 48TH WAY
DAVIE, FL, 33314, US



PASSED

Page 1 of 4

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%

TOTAL THC/Container : 0.000 mg



Total CBD
0.637%

TOTAL CBD/Container : 668.850 mg



Total Cannabinoids
0.637%

Total Cannabinoids/Container : 668.850 mg

	CBDV	CBDa	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
%	<0.010	ND	ND	<0.010	0.637	ND	<0.010	ND	ND	<0.010	ND
mg/g	<0.010	ND	ND	<0.010	6.370	ND	<0.010	ND	ND	<0.010	ND
LOD	0.001	0.001	0.001	0.001	0.0001	0.001	0.001	0.0001	0.001	0.001	0.001
%	%	%	%	%	%	%	%	%	%	%	%

Cannabinoid Profile Test

Analyzed by 450	Weight 3.0587g	Extraction date : 10/28/20 05:10:14	Extracted By : 1823
Analysis Method -SOP.T.40.020, SOP.T.30.050	Instrument Used : DA-LC-003 CBD	Reviewed On - 04/22/21 13:57:31	Batch Date : 10/28/20 08:50:42
Analytical Batch -DA018060POT			

Reagent	Dilution	Consums. ID
121019.17	40	181019-274
102720.R03		280670723
102620.R45		914C4-914AK
100120.23		929C6-929H
		76262-590

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

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PJLA-Testing 97164



Signature

04/22/2021

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Certificate of Analysis

PASSED

Green Roads

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

Telephone: (844) 747-3367

Email: LAURA@GREENROADSWORLD.COM

Sample : DA01028007-001

Harvest/LOT ID: 2027903

Batch# : 2027903

Sampled : 10/26/20

Ordered : 10/26/20

Sample Size Received : 77 gram

Total Weight/Volume : N/A

Completed : 04/22/21 Expires: 04/22/22

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	ND	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	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					
PROPICONAZOLE	0.01	ppm	1	ND					



Pesticides

PASSED

Analyzed by	Weight	Extraction date	Extracted By
585 , 1665	1.0856g	10/29/20 10:10:28	585 , 1665
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 - DA018105PES , DA018087VOL			
Instrument Used : DA-LCMS-001_DER (PES) , DA-GCMS-006			
Running On : 10/29/20 16:28:48 , 10/30/20 15:43:28			
Batch Date : 10/28/20 13:26:49			
Reagent	Dilution	Consums. ID	
180728.37	10	287035261 76262-590	

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
PJA-Testing 97164



Signature

04/22/2021

Signed On



Certificate of Analysis

PASSED

Green Roads

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


Sample : DA01028007-001
Harvest/LOT ID: 2027903

Batch# : 2027903
Sampled : 10/26/20
Ordered : 10/26/20

Sample Size Received : 77 gram
Total Weight/Volume : N/A
Completed : 04/22/21 Expires: 04/22/22
Sample Method : SOP Client Method

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	Residual Solvents	PASSED
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	Residual Solvents	PASSED
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Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm	5000	PASS	3305.842
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
ETHYL ETHER	75	ppm	500	PASS	ND
ACETONE	50	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 850 **Weight** 0.0249g **Extraction date** 10/28/20 04:10:44 **Extracted By** 850
Analysis Method -SOP.T.40.032
Analytical Batch -DA018111SOL **Reviewed On - 10/30/20 12:54:26**
Instrument Used : DA-GCMS-002
Running On : 10/29/20 17:05:30
Batch Date : 10/28/20 14:26:36

Reagent	Dilution	Consums. ID
	1	G201.162 R2017.179

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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ISO Accreditation # ISO/IEC
17025:2017 Accreditation
PJLA-Testing 97164



Signature

04/22/2021

Signed On



Certificate of Analysis

PASSED

Green Roads


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

Sample : DA01028007-001
Harvest/LOT ID: 2027903


Batch# : 2027903
Sampled : 10/26/20
Ordered : 10/26/20

Sample Size Received : 77 gram
Total Weight/Volume : N/A
Completed : 04/22/21 Expires: 04/22/22
Sample Method : SOP Client Method

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Microbials
PASSED



Mycotoxins
PASSED

Analyte	LOD	Result	Action Level (cfu/g)
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	10	< 100 CFU	100000

Analysis Method -SOP.T.40.043 / SOP.T.40.044 / SOP.T.40.041
 Analytical Batch -DA018104MIC , DA018126TYM Batch Date : 10/28/20, 10/28/20
 Instrument Used : PathogenDx Scanner DA-111, Applied Biosystems MiniAmp Thermocycler DA-089, PathogenDx Scanner DA-111, Applied Biosystems MiniAmp Thermocycler DA-190
 Running On : 10/29/20, 10/29/20

Analyzed by	Weight	Extraction date	Extracted By
513, 513	0.9008g	10/28/20	1794, 1794

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
071020.22	181019-274	A09	914C4-914AK	850C6-850H
101519.10	SG298A	A10	031	001001
	2802021	11989-024CC-024	50AX30819	2807008
	2803030	181207119C	20334	2809005
	D006	2810015B	012020	2804028
	D006	918C4-918J	2811018	2808007

Microbiological testing for Fungal and Bacterial Identification via Polymerase Chain Reaction (PCR) method consisting of sample DNA amplified via a 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.

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 -DA018106MYC | Reviewed On - 10/30/20 18:16:32
 Instrument Used : DA-LCMS-001_DER (MYC)
 Running On : 10/29/20 17:53:27
 Batch Date : 10/28/20 13:28:48

Analyzed by	Weight	Extraction date	Extracted By
585	1g	10/29/20 04:10:31	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 <20µg/Kg.



Heavy Metals
PASSED

Reagent	Reagent	Dilution
102720.R07	100520.R05	100
102820.R14	102820.R12	
102620.R14	082520.05	
102220.R03	090320.01	
102320.R06	100120.37	
102620.R03		

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

Analyzed by	Weight	Extraction date	Extracted By
1022	0.2813g	10/29/20 10:10:56	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
 Analytical Batch -DA018112HEA | Reviewed On - 10/30/20 16:49:28
 Instrument Used : DA-ICPMS-002
 Running On : 10/30/20 16:33:47
 Batch Date : 10/28/20 14:43:12

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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Lab Director

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