



Sample: DA01119011-012
Harvest/Lot ID: na
Seed to Sale #N/A
Batch Date :N/A
Batch#: na
Sample Size Received: 15 gram
Retail Product Size: 15 gram
Ordered : 11/16/20
Sampled : 11/16/20
Completed: 11/23/20 Expires: 11/23/21
Sampling Method: SOP Client Method

Certificate of Analysis

Nov 23, 2020 | Green Earth Health

7972 Forest City Road
Orlando, FL, 32810, US



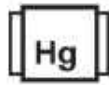
PASSED

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PRODUCT IMAGE SAFETY RESULTS



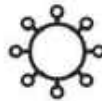
Pesticides
PASSED



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
0.011%



Total CBD
0.485%



Total Cannabinoids
0.506%

CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	D9-THC	D8-THC	CBC	THCA
<0.010	ND	0.010%	ND	0.485%	ND	ND	0.011%	ND	ND	ND
<0.010	ND	0.100 mg/g	ND	4.850 mg/g	ND	ND	0.110 mg/g	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
457	1g	NA	NA
Analyte			LOD
Filtration and Foreign Material			0.1
Analysis Method -SOP.T.40.013		Batch Date : 11/19/20 15:03:50	ND
Analytical Batch -DA019009FIL		Reviewed On - 11/19/20 15:29:47	
Instrument Used : Filtration/Foreign Material Microscope			
Running On :			

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SM-20/T Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	1.3575g	11/19/20 03:11:01	1823
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 11/20/20 12:34:25	Batch Date : 11/19/20 09:06:13
Analytical Batch -DA018980POT	Instrument Used : DA-LC-001		Running On : 11/19/20 21:49:35

Reagent	Dilution	Consums. ID
121019.17	400	181019-274
111720.R14		280670723
111720.R02		914CA-914AK
		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

State License # CMTL-0002
ISO Accreditation # 97164



Signature

11/23/2020

Signed On



Certificate of Analysis

PASSED

Green Earth Health

7972 Forest City Road
Orlando, FL, 32810, US

Telephone: 7542241242

Email: paul.reid@greeneearthhealth.org

Sample : DA01119011-012

Harvest/LOT ID: na

Batch# : na

Sampled : 11/16/20

Ordered : 11/16/20

Sample Size Received : 15 gram

Completed : 11/23/20 Expires: 11/23/21

Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result	Pesticides	LOD	Units	Action Level	Result
ACEPHATE	0.01	ppm	3	ND	PROPICONAZOLE	0.01	ppm	1	ND
ABAMECTIN B1A	0.01	ppm	0.3	ND	PROPOXUR	0.01	ppm	0.1	ND
ACEQUINOCYL	0.01	ppm	2	ND	PYRETHRINS	0.05	ppm	1	ND
ACETAMIPRID	0.01	ppm	3	ND	PYRIDABEN	0.02	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND	SPINETORAM	0.02	PPM	3	ND
AZOXYSTROBIN	0.01	ppm	3	ND	SPIROMESIFEN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND	SPIROTETRAMAT	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND	SPIROXAMINE	0.01	ppm	0.1	ND
BOSCALID	0.01	PPM	3	ND	TEBUCONAZOLE	0.01	ppm	1	ND
CARBARYL	0.05	ppm	0.5	ND	THIACLOPRID	0.01	ppm	0.1	ND
CARBOFURAN	0.01	ppm	0.1	ND	THIAMETHOXAM	0.05	ppm	1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND	TOTAL CONTAMINANT LOAD (PESTICIDES)	0.5	PPM	20	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND	TOTAL PERMETHRIN	0.01	ppm	1	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	CHLORDANE *	0.01	PPM	0.1	ND
DAMINOZIDE	0.01	ppm	0.1	ND	PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
DIAZANON	0.01	ppm	0.2	ND	PARATHION-METHYL *	0.01	PPM	0.1	ND
DICHLORVOS	0.01	ppm	0.1	ND	CAPTAN *	0.025	PPM	3	ND
DIMETHOATE	0.01	ppm	0.1	ND	CHLORFENAPYR *	0.01	PPM	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND	CYFLUTHRIN *	0.01	PPM	1	ND
ETHOPROPHOS	0.01	ppm	0.1	ND	CYPERMETHRIN *	0.01	PPM	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					
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 , 795	Weight 0.5109g	Extraction date 11/19/20 05:11:25	Extracted By 585 , 1665
Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T.30.065, SOP.T40.070			
Analytical Batch - DA019004PES , DA019003VOLReviewed On- 11/19/20 15:29:47			
Instrument Used : DA-LCMS-002_DER (PES) , DA-GCMS-001			
Running On : 11/19/20 18:26:28 , 11/19/20 18:30:33			
Batch Date : 11/19/20 11:46:02			
Reagent 092320.14	Dilution 10	Consums. ID 287035261 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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Jorge Segredo
Lab Director

State License # CMTL-0002
ISO Accreditation # 97164



Signature

11/23/2020

Signed On



Certificate of Analysis

PASSED

Green Earth Health
7972 Forest City Road
Orlando, FL, 32810, US
Telephone: 7542241242
Email: paul.reid@greeneearthhealth.org

Sample : DA01119011-012
Harvest/LOT ID: na
Batch# : na
Sampled : 11/16/20
Ordered : 11/16/20

Sample Size Received : 15 gram
Completed : 11/23/20 **Expires:** 11/23/21
Sample Method : SOP Client Method

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Residual Solvents **PASSED**



Residual Solvents **PASSED**

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
PROPANE	500	ppm	5000	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
METHANOL	25	ppm	250	PASS	ND
ETHANOL	500	ppm		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
CHLOROFORM	0.2	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Analyzed by 850 **Weight** 0.0238g **Extraction date** 11/23/20 03:11:38 **Extracted By** 850
Analysis Method -SOP.T.40.032
Analytical Batch -DA019063SOL **Reviewed On** - 11/23/20 16:34:38
Instrument Used : DA-GCMS-002
Running On :
Batch Date : 11/20/20 16:07:24

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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Signature

11/23/2020

Signed On



Certificate of Analysis



PASSED

Green Earth Health
7972 Forest City Road
Orlando, FL, 32810, US
Telephone: 7542241242
Email: paul.reid@greeneearthhealth.org

Sample : DA01119011-012
Harvest/LOT ID: na
Batch# : na
Sampled : 11/16/20
Ordered : 11/16/20

Sample Size Received : 15 gram
Completed : 11/23/20 **Expires:** 11/23/21
Sample Method : SOP Client Method

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	Microbials	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Result	Analyte	LOD	Units	Result	Action Level (PPM)
ASPERGILLUS_FLAVUS		not present in 1 gram.	AFLATOXIN G2	0.002	ppm	ND	0.02
ASPERGILLUS_FUMIGATUS		not present in 1 gram.	AFLATOXIN G1	0.002	ppm	ND	0.02
ASPERGILLUS_NIGER		not present in 1 gram.	AFLATOXIN B2	0.002	ppm	ND	0.02
ASPERGILLUS_TERREUS		not present in 1 gram.	AFLATOXIN B1	0.002	ppm	ND	0.02
ESCHERICHIA_COLI_SHIGELLA_SPP		not present in 1 gram.	OCHRATOXIN A+	0.002	ppm	ND	0.02
SALMONELLA_SPECIFIC_GENE		not present in 1 gram.					

Analysis Method -SOP.T.40.043 / SOP.T.40.044
Analytical Batch -DA019001MIC **Batch Date :** 11/19/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111
Running On : 11/20/20

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA019005MYC | **Reviewed On -** 11/23/20 13:55:46
Instrument Used : DA-LCMS-002_DER (MYC)
Running On : 11/19/20 18:26:04
Batch Date : 11/19/20 11:51:24

Analyzed by	Weight	Extraction date	Extracted By	Analyzed by	Weight	Extraction date	Extracted By
1794	0.8021g	11/19/20	513	585	1g	11/19/20 05:11:11	585

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.

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
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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	

Analyzed by	Weight	Extraction date	Extracted By
1022	0.2563g	11/19/20 05:11:21	1879

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA019007HEA | **Reviewed On -** 11/23/20 08:51:54
Instrument Used : DA-ICPMS-002
Running On : 11/23/20 08:37:20
Batch Date : 11/19/20 11:59:35

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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