



Certificate of Analysis

Nov 08, 2019 | Green Roads

5150 SW 48TH WAY DAVIE
FL, USA 33314



SAMPLE:DA91028005-001

Harvest/Lot ID: 19187

Seed to Sale #N/A

Batch#: 19187

Sample Size: 18 gram

Ordered : 10/25/19

Sampled : 10/25/19

Completed: 11/08/19 Expires: 11/08/20

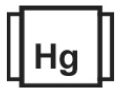
Sampling Method: SOP Client Method

PASSED

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
TESTED

MISC.

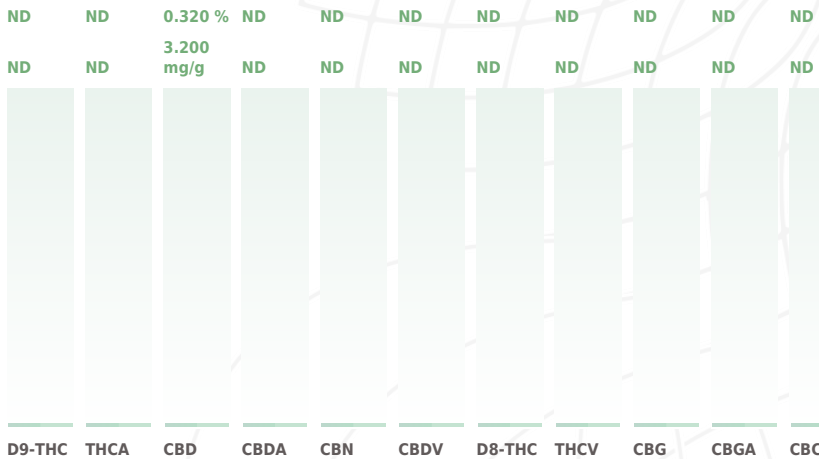
CANNABINOID RESULTS



Total THC
0.000%



Total CBD
0.320%



Cannabinoid Profile Test

Analyst 64	Weight 3.2289g	Sample Prep : 2019-10-28 12:10:46	Extracted By : 965
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Analysis Method -SOP.T.40.020, SOP.T.30.050

Analytical Batch -DA007489

Reagent	Dilution	Consums. ID
102319.R15 100719.R06 102419.R05 102419.R04	40	76124-662 SFN-BX-1025

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 # n/a
ISO Accreditation # 97164

Signature

11/08/2019

Signed On



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Telephone: (844) 747-3367

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LAURA@GREENROADSWORLD.COM

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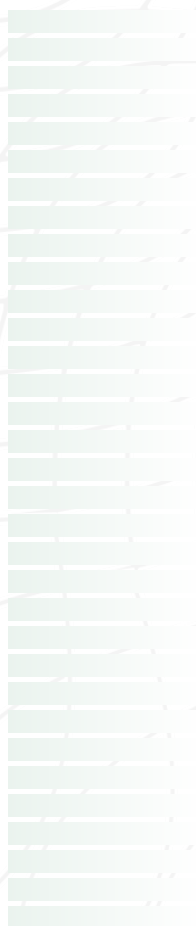
Expires : 11/08/20

Sample Method : SOP Client Method

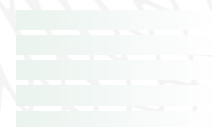
2

Terpenes
TESTED
Terpenes

ALPHA-CEDRENE	ND
ALPHA-HUMULENE	ND
ALPHA-PINENE	ND
ALPHA-TERPINENE	ND
BETA-MYRCENE	ND
BETA-PINENE	ND
BORNEOL	ND
CAMPHENE	ND
CAMPHOR	ND
CARYOPHYLLENE OXIDE	ND
CEDROL	ND
ALPHA-BISABOLOL	ND
ISOPULEGOL	ND
CIS-NEROLIDOL	ND
3-CARENE	ND
FENCHYL ALCOHOL	ND
HEXAHYDROTHYMOL	ND
EUCALYPTOL	ND
ISOBORNEOL	ND
FARNESENE	ND
FENCHONE	ND
GAMMA-TERPINENE	ND
GERANIOL	ND
GERANYL ACETATE	ND
GUAJOL	ND
LIMONENE	ND
LINALOOL	ND
NEROL	ND
OCIMENE	ND
ALPHA-PHELLANDRENE	ND
PULEGONE	ND
SABINENE	ND
SABINENE HYDRATE	ND

TEST RESULT (%)

Terpenes

TERPINEOL	ND
TERPINOLENE	ND
TRANS-CARYOPHYLLENE	ND
TRANS-NEROLIDOL	ND
VALENCENE	ND

TEST RESULT (%)

Terpenes
TESTED
Analyst
585

Weight
0.8921g

Sample Prep :
NA

Extracted By :
NA

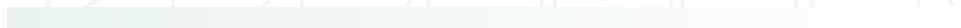
Analysis Method -SOP.T.40.090
Analytical Batch -DA007481
Reagent
Dilution
Consums. ID

10

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.091 Terpenoid Analysis Via GC/MS.

Total

0



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Expires : 11/08/20

Sample Method : SOP Client Method

3

Pesticides
PASSED

Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
CHLORDANE	0.010	0.1	ppm	ND	DICHLORVOS	0.050	0.1	ppm	ND
CAPTAN	0.100	3	ppm	ND	METHIOCARB	0.010	0.1	ppm	ND
BOSCALID	0.010	3000	PPM	ND	METHOMYL	0.010	0.1	ppm	ND
DIMETHOATE	0.010	0.1	ppm	ND	DIAZANON	0.010	0.2	ppm	ND
ABAMECTIN B1A	0.020	0.3	ppm	ND	MEVINPHOS	0.010	0.1	ppm	ND
CIS-PERMETHRIN	0.050	1	ppm	ND	MYCLOBUTANIL	0.010	3	ppm	ND
SPINETORAM	0.010		PPM	ND	NALED	0.010	0.5	ppm	ND
ACEPHATE	0.010	3	ppm	ND	OXAMYL	0.010	0.5	ppm	ND
DIMETHOMORPH	0.005	3	ppm	ND	PACLOBUTRAZOL	0.010	0.1	ppm	ND
ETHOPROPHOS	0.010	0.1	ppm	ND	TRANS-PERMETHRIN	0.050	1	ppm	ND
ACEQUINOCYL	0.050	2	ppm	ND	PHOSMET	0.010	0.2	ppm	ND
ACETAMIPRID	0.010	3	ppm	ND	PIPERONYL BUTOXIDE	0.010	3	ppm	ND
ETOFENPROX	0.010	0.1	ppm	ND	PRALLETHRIN	0.050	0.4	ppm	ND
ALDICARB	0.020	0.1	ppm	ND	PROPICONAZOLE	0.010	1	ppm	ND
ETOXAZOLE	0.010	1.5	ppm	ND	PROPOXUR	0.010	0.1	ppm	ND
AZOXYSTROBIN	0.010	3	ppm	ND	PYRETHRIN I	0.010	1	ppm	ND
FENHEXAMID	0.010	3	ppm	ND	PYRIDABEN	0.010	3	ppm	ND
BIFENAZATE	0.010	3	ppm	ND	SPINOSAD (SPINOSYN A)	0.010	3	ppm	ND
FENOXYCARB	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.010	3	ppm	ND
FENPYROXIMATE	0.010	2	ppm	ND	SPIROMESIFEN	0.010	3	ppm	ND
BIFENTHRIN	0.010	0.5	ppm	ND	SPIROTETRAMAT	0.020	3	ppm	ND
CARBARYL	0.010	0.5	ppm	ND	SPIROXAMINE	0.010	0.1	ppm	ND
FIPRONIL	0.020	0.1	ppm	ND	TEBUCONAZOLE	0.010	1	ppm	ND
FLONICAMID	0.010	2	ppm	ND	THIACLOPRID	0.010	0.1	ppm	ND
CARBOFURAN	0.010	0.1	ppm	ND	THIAMETHOXAM	0.010	1	ppm	ND
CHLORANTRANILIPROLE	0.010	3	ppm	ND	TRIFLOXYSTROBIN	0.010	3	ppm	ND
FLUDIOXONIL	0.010	3	ppm	ND					
HEXYTHIAZOX	0.010	2	ppm	ND					
CHLORFENAPYR	0.010	0.1	ppm	ND					
IMAZALIL	0.010	0.1	ppm	ND					
CHLORPYRIFOS	0.010	0.1	ppm	ND					
IMIDACLOPRID	0.010	3	ppm	ND					
CLOFENTEZINE	0.010	0.5	ppm	ND					
KRESOXIM-METHYL	0.010	1	ppm	ND					
COUMAPHOS	0.005	0.1	ppm	ND					
MALATHION	0.010	2	ppm	ND					
CYPERMETHRIN	0.020	1	ppm	ND					
DAMINOZIDE	0.020	0.1	ppm	ND					
METALAXYL	0.010	3	ppm	ND					


Pesticides
PASSED
Analyst

585

Weight

0.9397g

Sample Prep :

NA

Extracted By :

NA

Analysis Method - SOP.T.30.065, SOP.T.40.065

Analytical Batch - DA007500

Reagent
Dilution
Consums. ID

SOP.T.30.065, SOP.T.40.065

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Sample Method : SOP Client Method

4

Residual Solvents
PASSED

Residual Solvents
PASSED

SOLVENT	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
PROPANE	2100	PASS	ND
BUTANES (N-BUTANE)	2000	PASS	ND
ETHYLENE OXIDE	5	PASS	ND
METHANOL	250	PASS	ND
ETHANOL	5000	PASS	ND
PENTANES (N-PENTANE)	750	PASS	ND
ETHYL ETHER	500	PASS	ND
ACETONE	750	PASS	ND
2-PROPANOL	500	PASS	ND
ACETONITRILE	60	PASS	ND
METHYLENE CHLORIDE	125	PASS	ND
N-HEXANE	250	PASS	ND
ETHYL ACETATE	400	PASS	ND
BENZENE	1	PASS	ND
HEPTANE	500	PASS	ND
TOLUENE	150	PASS	ND
CHLOROFORM	2	PASS	ND
1,2-DICHLOROETHANE	2	PASS	ND
TRICHLOROETHYLENE	25	PASS	ND
1,1-DICHLOROETHENE	8	PASS	ND
TOTAL XYLENES	150	PASS	ND

Analyst 850 **Weight** 0.0247g **Sample Prep :** 2019-10-28 03:10:10 **Extracted By :** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA007518

Reagent	Dilution	Consums. ID
	1	00268767 160861-1 24151941

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).



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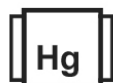
Sampled : 10/25/19

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Expires : 11/08/20

Sample Method : SOP Client Method

5

Mycotoxins
PASSED

Heavy Metals
PASSED
Analyte

 AFLATOXIN G2
 AFLATOXIN G1
 AFLATOXIN B2
 AFLATOXIN B1
 OCHRATOXIN A+
 TOTAL AFLATOXINS

Result

 ND
 ND
 ND
 ND
 ND
 0.000

Action Level

 0.02
 0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA007501
Reagent

 102819.R04
 100919.R02
 102119.R02
 102119.R03
 052419.01

Dilution

50

Consums. ID
Metal

 ARSENIC
 CADMIUM
 LEAD
 MERCURY

Result

 ND
 ND
 ND
 ND

Action Level

 1.5
 0.5
 0.5
 3

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA007487
Analyte

 ASPERGILLUS_FLAVUS
 ASPERGILLUS_FUMIGATUS
 ASPERGILLUS_NIGER
 ASPERGILLUS_TERREUS
 ESCHERICHIA_COLI_SHIGELLA_SPP
 SALMONELLA_SPECIFIC_GENE

Result

 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.
 not present in 1 gram.

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.

Jorge Segredo

Lab Director

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 ISO Accreditation # 97164

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