



Certificate of Analysis

SAMPLE:DA91007005-006
Harvest/Lot ID: 0319343977
 Seed to Sale #N/A
Batch#: 0319343977
Sample Size: 90 gram
Ordered : 10/04/19
Sampled : 10/04/19
Completed: 10/11/19 Expires: 10/11/20
Sampling Method: SOP Client Method

Oct 11, 2019 | Green Roads
 5150 SW 48TH WAY DAVIE
 FL, USA 33314



PASSED

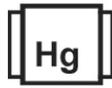
PRODUCT IMAGE



SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals
Solvents
TESTED



Filtration
NOT TESTED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.

CANNABINOID RESULTS

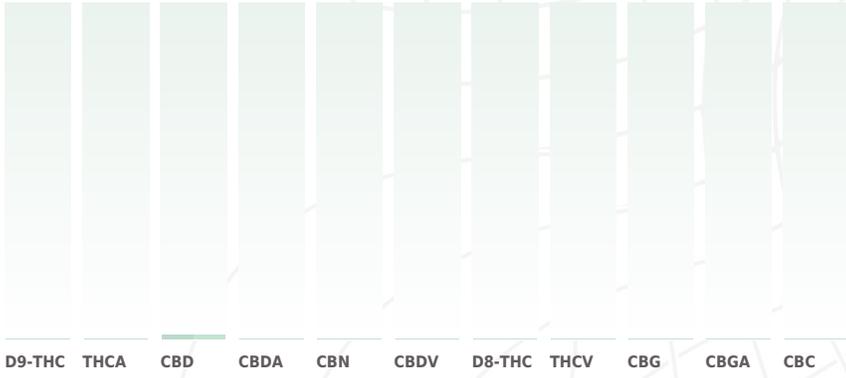


Total THC
0.00%



Total CBD
0.557%

ND ND 0.557 % ND ND ND ND ND ND ND 0.018 %
 ND ND 5.570 mg ND ND ND ND ND ND ND 0.180 mg



Cannabinoid Profile Test

Analyst 64	Weight 3.2077g	Sample Prep : 2019-10-07 12:10:21	Extracted By : 965
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Analytical Batch -DA006921			
Reagent 100719.R09 100819.R06	Dilution 40	Consums. ID 76124-662 SFN-BX-1025 849C4-849AK 840C6-840H	

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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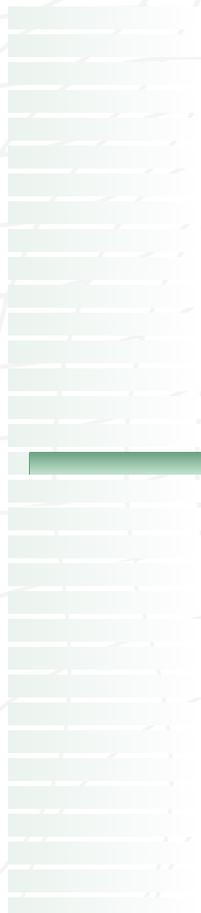
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2

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	7.998
EUCALYPTOL	ND
ISOBORNEOL	ND
FARNESENE	ND
FENCHONE	ND
GAMMA-TERPINENE	ND
GERANIOL	ND
GERANYL ACETATE	ND
GUAIOL	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** 1.0684g **Sample Prep :** 2019-10-07 02:10:57 **Extracted By :** 585

Analysis Method -SOP.T.40.090
Analytical Batch -DA006915

Reagent	Dilution	Consums. ID
100719.R09	10	180711
100219.R01		SFN-BX-1025 923C4-923AK 910C6 - 910H

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 7.999



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Sample Method : SOP Client Method

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Pesticides

PASSED

Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
DIMETHOATE	0.010	0.1	ppm	ND	MEVINPHOS	0.010	0.1	ppm	ND
ABAMECTIN B1A	0.020	0.1	ppm	ND	MYCLOBUTANIL	0.010	0.1	ppm	ND
CIS-PERMETHRIN	0.050	0.1	ppm	ND	NALED	0.010	0.25	ppm	ND
SPINETORAM	0.010		PPM	ND	OXAMYL	0.010	0.5	ppm	ND
ACEPHATE	0.010	0.1	ppm	ND	PACLOBUTRAZOL	0.010	0.1	ppm	ND
DIMETHOMORPH	0.005	0.2	ppm	ND	TRANS-PERMETHRIN	0.050	0.1	ppm	ND
ETHOPROPHOS	0.010	0.1	ppm	ND	PHOSMET	0.010	0.1	ppm	ND
ACEQUINOCYL	0.050	0.1	ppm	ND	PIPERONYL BUTOXIDE	0.010	3	ppm	ND
ACETAMIPRID	0.010	0.1	ppm	ND	PRALLETHRIN	0.050	0.1	ppm	ND
ETOFENPROX	0.010	0.1	ppm	ND	PROPICONAZOLE	0.010	0.1	ppm	ND
ALDICARB	0.020	0.1	ppm	ND	PROPOXUR	0.010	0.1	ppm	ND
ETOXAZOLE	0.010	0.1	ppm	ND	PYRETHRIN I	0.010	0.5	ppm	ND
AZOXYSTROBIN	0.010	0.01	ppm	ND	PYRIDABEN	0.010	0.2	ppm	ND
FENHEXAMID	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN A)	0.010	0.1	ppm	ND
BIFENAZATE	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.010	0.1	ppm	ND
FENOXYCARB	0.010	0.1	ppm	ND	SPIROMESIFEN	0.010	0.1	ppm	ND
FENPYROXIMATE	0.010	0.1	ppm	ND	SPIROTETRAMAT	0.020	0.1	ppm	ND
BIFENTHRIN	0.010	0.1	ppm	ND	SPIROXAMINE	0.010	0.1	ppm	ND
CARBARYL	0.010	0.5	ppm	ND	TEBUCONAZOLE	0.010	0.1	ppm	ND
FIPRONIL	0.020	0.1	ppm	ND	THIACLOPRID	0.010	0.1	ppm	ND
FLONICAMID	0.010	0.1	ppm	ND	THIAMETHOXAM	0.010	0.5	ppm	ND
CARBOFURAN	0.010	0.1	ppm	ND	TRIFLOXYSTROBIN	0.010	0.1	ppm	ND
CHLORANTRANILIPROLE	0.010	1	ppm	ND					
FLUDIOXONIL	0.010	0.1	ppm	ND					
HEXYTHIAZOX	0.010	0.1	ppm	ND					
IMAZALIL	0.010	0.1	ppm	ND					
CHLORPYRIFOS	0.010	0.1	ppm	ND					
IMIDACLOPRID	0.010	0.4	ppm	ND					
CLOFENTEZINE	0.010	0.2	ppm	ND					
KRESOXIM-METHYL	0.010	0.1	ppm	ND					
COUMAPHOS	0.005	0.1	ppm	ND					
MALATHION	0.010	0.2	ppm	ND					
CYPERMETHRIN	0.020	0.5	ppm	ND					
DAMINOZIDE	0.020	0.1	ppm	ND					
METALAXYL	0.010	0.02	ppm	ND					
DICHLORVOS	0.050	0.1	ppm	ND					
METHIOCARB	0.010	0.05	ppm	ND					
METHOMYL	0.010	0.1	ppm	ND					
DIAZANON	0.010	0.1	ppm	ND					



Pesticides

PASSED

Analyst 56	Weight 1.0738g	Sample Prep : 2019-10-07 05:10:17	Extracted By : 357
Analysis Method -SOP.T.30.065, SOP.T.40.065			
Analytical Batch -DA006935			
Reagent	Dilution	Consums. ID	
	10	181205	

SOP T.30.065, SOP T.40.065

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Jorge Segredo
 Lab Director
 State License # n/a

10/11/2019



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4

Residual Solvents **TESTED**

Residual Solvents **TESTED**

SOLVENT	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
1,2-DICHLOROETHANE	2	PASS	ND
1,1-DICHLOROETHENE	8	PASS	ND
2-ETHOXYETHANOL		PASS	ND
2-PROPANOL	500	FAIL	>2800
ACETONE	750	PASS	ND
ACETONITRILE	60	PASS	ND
BENZENE	1	PASS	ND
BUTANES (ISO-BUTANE)	2000	PASS	ND
BUTANES (N-BUTANE)	2000	PASS	ND
CHLOROFORM	2	PASS	ND
ETHANOL	5000	PASS	ND
ETHYL ACETATE	400	PASS	ND
CYCLOHEXANE		PASS	ND
DICHLOROMETHANE		PASS	ND
ETHYL ETHER	500	PASS	ND
ETHYLENE OXIDE	5	PASS	ND
ETHYLBENZENE		PASS	ND
HEPTANE	500	PASS	ND
HEXANES (2,2-DIMETHYLBUTANE)	60	PASS	ND
HEXANES (2,3-DIMETHYLBUTANE)	60	PASS	ND
HEXANES (2-METHYLPENTANE)	60	PASS	ND
HEXANES (3-METHYLPENTANE)	60	PASS	ND
ISOPROPYL ACETATE		PASS	ND
METHYLENE CHLORIDE	125	PASS	ND
METHANOL	250	PASS	ND
N-HEXANE	60	PASS	ND
PENTANES (ISO-PENTANE)		PASS	ND
PENTANES (N-PENTANE)	750	PASS	ND
PENTANES (NEO-PENTANE)		PASS	ND
PROPANE	2100	PASS	ND
TETRAHYDROFURAN		PASS	ND
TOLUENE	150	PASS	ND
TOTAL XYLENES	150	PASS	ND
TRICHLOROETHYLENE	25	PASS	ND

Analyst 850 **Weight** 0.0272g **Sample Prep :** 2019-10-07 02:10:55 **Extracted By :** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA006923

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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Expires : 10/11/20

5


Mycotoxins
PASSED

Hg

Heavy Metals

PASSED

Analyte	Result	Action Level
AFLATOXIN G2	ND	0.02
AFLATOXIN G1	ND	0.02
AFLATOXIN B2	ND	0.02
AFLATOXIN B1	ND	0.02
OCHRATOXIN A+	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA006936


Microbials
PASSED

Analyte

ASPERGILLUS_TERREUS
ASPERGILLUS_NIGER
ASPERGILLUS_FUMIGATUS
ASPERGILLUS_FLAVUS
SALMONELLA_SPECIFIC_GENE
ESCHERICHIA_COLI_SHIGELLA_SPP

Result

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

Reagent	Dilution	Consums. ID
	50	

Metal	Result	Action Level
ARSENIC	ND	0.2
CADMIUM	ND	0.2
LEAD	ND	0.5
MERCURY	ND	0.2

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA006911

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.

