



Certificate of Analysis

Oct 09, 2019 | Green Roads

5150 SW 48TH WAY DAVIE
 FL, USA 33314



SAMPLE:DA91004002-001

Harvest/Lot ID: J10V02

Seed to Sale #N/A

Batch#: J10V02

Sample Size: 10 ml

Ordered : 10/02/19

Sampled : 10/02/19

Completed: 10/09/19 Expires: 10/09/20

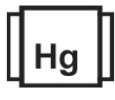
Sampling Method: SOP Client Method

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.

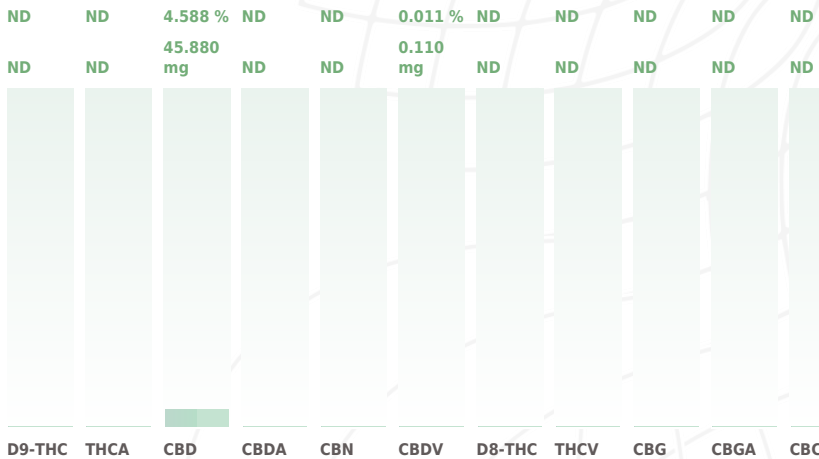
CANNABINOID RESULTS



Total THC
0.00%



Total CBD
4.588%



Cannabinoid Profile Test

Analyst 450	Weight 3.0419g	Sample Prep : 2019-10-08 12:10:59	Extracted By : 574
Analysis Method -SOP.T.40.020, SOP.T.30.050			
Analytical Batch -DA006921			
Reagent	Dilution	Consums. ID	
100719.R09	400	76124-662	
100819.R06		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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Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation # 97164

Signature

10/10/2019

Signed On



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FL, USA 33314

Telephone: (844) 747-3367

Email:
LAURA@GREENROADSWORLD.COM

Sample : DA91004002-001,
Harvest/LOT ID: J10V02,
Batch# : J10V02

Sample Size : 10 ml

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Sample Method : SOP Client Method

2


Terpenes
TESTED
Terpenes
TEST RESULT (%)

ALPHA-CEDRENE	ND
ALPHA-HUMULENE	ND
ALPHA-PINENE	0.030
ALPHA-TERPINENE	ND
BETA-MYRCENE	0.087
BETA-PINENE	ND
BORNEOL	ND
CAMPHENE	ND
CAMPHOR	ND
CARYOPHYLLE OXIDE	ND
CEDROL	ND
ALPHA-BISABOOL	ND
ISOPULEGOL	ND
CIS-NEROLIDOL	ND
3-CARENE	ND
FENCHYL ALCOHOL	ND
HEXAHYDROTHYMOL	ND
EUCALYPTOL	ND
ISOBORNEOL	ND
FARNESENE	0.058
FENCHONE	ND
GAMMA-TERPINENE	ND
GERANIOL	ND
GERANYL ACETATE	ND
GUAJOL	ND
LIMONENE	ND
LINALOOL	ND
NEROL	ND
OCIMENE	0.051
ALPHA-PHELLANDRENE	ND
PULEGONE	ND
SABINENE	ND
SABINENE HYDRATE	ND

Terpenes
TEST RESULT (%)

TERPINEOL	ND
TERPINOLENE	0.022
TRANS-CARYOPHYLLENE	0.037
TRANS-NEROLIDOL	ND
VALENCENE	ND


Terpenes
TESTED
Analyst
585

Weight
1.0127g

Sample Prep :
2019-10-04 11:10:58

Extracted By :
357

Analysis Method -SOP.T.40.090
Analytical Batch -DA006885

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

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

Total 0.287

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Sample : DA91004002-001,
Harvest/LOT ID: J10V02,

Batch# : J10V02

Sample Size : 10 ml

Ordered : 10/02/19

Sampled : 10/02/19

Completed : 10/09/19


Expires : 10/09/20

Sample Method : SOP Client Method

3

Pesticides
PASSED

Pesticides	LOQ	Action Level	Units	Result	Pesticides	LOQ	Action Level	Units	Result
DIMETHOATE	0.010	0.1	ppm	ND	DIAZANON	0.010	0.1	ppm	ND
ABAMECTIN B1A	0.020	0.1	ppm	ND	MEVINPHOS	0.010	0.1	ppm	ND
CIS-PERMETHRIN	0.050	0.1	ppm	ND	MYCLOBUTANIL	0.010	0.1	ppm	ND
SPINETORAM	0.010		PPM	ND	NALED	0.010	0.25	ppm	ND
ACEPHATE	0.010	0.1	ppm	ND	OXAMYL	0.010	0.5	ppm	ND
DIMETHOMORPH	0.005	0.2	ppm	ND	PACLOBUTRAZOL	0.010	0.1	ppm	ND
ETHOPROPHOS	0.010	0.1	ppm	ND	TRANS-PERMETHRIN	0.050	0.1	ppm	ND
ACEQUINOCYL	0.050	0.1	ppm	ND	PHOSMET	0.010	0.1	ppm	ND
ACETAMIPRID	0.010	0.1	ppm	ND	PIPERONYL BUTOXIDE	0.010	3	ppm	ND
ETOFENPROX	0.010	0.1	ppm	ND	PRALLETHRIN	0.050	0.1	ppm	ND
ALDICARB	0.020	0.1	ppm	ND	PROPICONAZOLE	0.010	0.1	ppm	ND
ETOXAZOLE	0.010	0.1	ppm	ND	PROPOXUR	0.010	0.1	ppm	ND
AZOXYSTROBIN	0.010	0.01	ppm	ND	PYRETHRIN I	0.010	0.5	ppm	ND
FENHEXAMID	0.010	0.1	ppm	ND	PYRIDABEN	0.010	0.2	ppm	ND
BIFENAZATE	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN A)	0.010	0.1	ppm	ND
FENOXYCARB	0.010	0.1	ppm	ND	SPINOSAD (SPINOSYN D)	0.010	0.1	ppm	ND
FENPYROXIMATE	0.010	0.1	ppm	ND	SPIROMESIFEN	0.010	0.1	ppm	ND
BIFENTHRIN	0.010	0.1	ppm	ND	SPIROTETRAMAT	0.020	0.1	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	0.1	ppm	ND
FLONICAMID	0.010	0.1	ppm	ND	THIACLOPRID	0.010	0.1	ppm	ND
CARBOFURAN	0.010	0.1	ppm	ND	THIAMETHOXAM	0.010	0.5	ppm	ND
CHLORANTRANILIPROLE	0.010	1	ppm	ND	TRIFLOXYSTROBIN	0.010	0.1	ppm	ND
FLUDIOXONIL	0.010	0.1	ppm	ND					
HEXYTHIAZOX	0.010	0.1	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	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					

		Pesticides		PASSED
Analysis 357	Weight 1.0258g	Sample Prep : 2019-10-04 04:10:58	Extracted By : 357	
Analysis Method -SOP.T.30.065, SOP.T.40.065				
Analytical Batch -DA006901				
Reagent	Dilution 10	Consums. ID		
SOP.T.30.065, SOP.T.40.065				

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Expires : 10/09/20

Sample Method : SOP Client Method

4

Residual Solvents
PASSED

Residual Solvents
PASSED

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	PASS	ND
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** 0.0265g **Sample Prep :** 2019-10-04 03:10:53 **Extracted By :** 850

Analysis Method -SOP.T.40.032
Analytical Batch -DA006905

Reagent	Dilution	Consums. ID
	1	

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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Sample Method : SOP Client Method

5

Mycotoxins
PASSED
Analyte

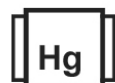
 AFLATOXIN G2
 AFLATOXIN G1
 AFLATOXIN B2
 AFLATOXIN B1
 OCHRATOXIN A+

Result

 ND
 ND
 ND
 ND
 ND

Action Level

 0.02
 0.02
 0.02
 0.02
 0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA006902

Heavy Metals
PASSED
Reagent
Dilution
Consums. ID

50

Metal
Result
Action Level

 ARSENIC
 CADMIUM
 LEAD
 MERCURY

 0.003
 ND
 ND
 ND

 0.2
 0.2
 0.5
 0.2

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA006877
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.
 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.

