4131 SW 47th AVENUE SUITE 1408
DAVIE, FL, 33314, USA

Kaycha Labs

GRW 25 MG FS ORIGINAL DAILY DOSE
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00710009-003
Harvest/Lot ID: A03W01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0089/20
Sample Size Received: 2 gram
Retail Product Size: 2.32
Ordered : 07/10/20
Sampled : 07/10/20
Completed: 08/06/20 Expires: 08/06/21
Sampling Method: SOP Client Method

Aug 06, 2020 | Green Roads

601 Fairway Drive, 601 Fairway Drive
Deerfield Beach, Florida, 33441

PASSED

PRODUCT IMAGE **SAFETY RESULTS** **MISC.**

Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS

Total THC
0.000%
THC/Container :0.000 mg

Total CBD
1.203%
CBD/Container :27.910 mg

Total Cannabinoids
1.215%
Total Cannabinoids/Container :28.188 mg

	CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
	ND	1.203%	ND	0.012%	ND	ND	ND	ND	ND	ND	ND
	ND	12.030 mg/g	ND	0.120 mg/g	ND	ND	ND	ND	ND	ND	ND
LOD	0.001 %	0.0001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.001 %	0.001 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.0186g	07/30/20 11:07:30	965

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA014408POT **Instrument Used :** DA-LC-003
Reviewed On - 07/31/20 16:11:58
Batch Date : 07/30/20 11:04:06

Reagent	Dilution	Consums. ID
032320.28	400	280678841
072320.R14		918C4-918J
072320.R13		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).

Filth PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
457	1g	NA		NA

Analysis Method -SOP.T.40.013 **Batch Date :** 07/10/20 09:33:42
Analytical Batch -DA013841FIL **Reviewed On -** 07/10/20 11:19:42
Instrument Used : Filth/Foreign Material Microscope

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. An SH-2B/T Stereo Microscope is use for inspection.

Jorge Segredo
Lab Director
State License # CMTL-0002
ISO Accreditation # 97164

Signature

08/06/2020
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N/A
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Certificate of Analysis

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Green Roads

601 Fairway Drive, 601 Fairway Drive
Deerfield Beach, Florida, 33441
Telephone: (954) 609-5537
Email: ashley@greenroads.com

Sample : DA00710009-003
Harvest/LOT ID: A03W01
Batch# : BMR0089/20 **Sample Size Received :** 2 gram
Sampled : 07/10/20 **Completed :** 08/06/20 **Expires:** 08/06/21
Ordered : 07/10/20 **Sample Method :** SOP Client Method

Terpenes

TESTED

Terpenes	LOD	Units		Result (%)
ALPHA-CEDRENE	0.007	%	ND	
ALPHA-HUMULENE	0.007	%	ND	
ALPHA-PINENE	0.007	%	ND	
ALPHA-TERPINENE	0.007	%	ND	
BETA-MYRCENE	0.007	%	ND	
BETA-PINENE	0.007	%	ND	
BORNEOL	0.013	%	ND	
CAMPHENE	0.007	%	ND	
CAMPHOR	0.013	%	ND	
CARYOPHYLLENE OXIDE	0.007	%	ND	
CEDROL	0.007	%	ND	
ALPHA-BISABOLOL	0.007	%	ND	
SABINENE	0.007	%	ND	
SABINENE HYDRATE	0.007	%	ND	
TERPINEOL	0.007	%	ND	
TERPINOLENE	0.007	%	ND	
BETA-CARYOPHYLLENE	0.007	%	ND	
TRANS-NEROLIDOL	0.007	%	ND	
VALENCENE	0.007	%	ND	
PULEGONE	0.007	%	ND	
ALPHA-PHELLANDRENE	0.007	%	ND	
OCIMENE	0.007	%	ND	
NEROL	0.007	%	ND	
LINALOOL	0.007	%	ND	
LIMONENE	0.007	%	ND	
GUAIOL	0.007	%	ND	
GERANYL ACETATE	0.007	%	ND	
GERANIOL	0.007	%	ND	
GAMMA-TERPINENE	0.007	%	ND	
FENCHONE	0.007	%	ND	
FARNESENE	0.007	%	ND	
EUCALYPTOL	0.007	%	ND	
ISOBORNEOL	0.007	%	ND	
HEXAHYDROTHYMOL	0.007	%	ND	
FENCHYL ALCOHOL	0.007	%	ND	
3-CARENE	0.007	%	ND	
CIS-NEROLIDOL	0.007	%	ND	
ISOPULEGOL	0.007	%	ND	

Total 0.000

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	0.8264g	07/10/20 12:07:23	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA013799TER **Reviewed On -** 07/13/20 12:21:09
Instrument Used : DA-GCMS-005
Batch Date : 07/09/20 08:31:59

Reagent	Dilution	Consums. ID
042920.05	10	280678841
012120.R13		76262-590
062620.R18		
071020.R04		
071020.R05		

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.

Jorge Segredo
Lab Director
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Email: ashley@greenroads.com

Sample : DA00710009-003
Harvest/LOT ID: A03W01
Batch# : BMR0089/20
Sampled : 07/10/20
Ordered : 07/10/20
Sample Size Received : 2 gram
Completed : 08/06/20 **Expires:** 08/06/21
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.01	ppm	0.3	ND
ACEPHATE	0.01	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
BIFENAZATE	0.01	ppm	3	ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	PPM	3	ND
CARBARYL	0.05	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.1	ppm	3	ND
CHLORMEQUAT CHLORIDE	0.1	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.02	ppm	0.5	ND
COUMAPHOS	0.01	ppm	0.1	ND
DAMINOZIDE	0.01	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.01	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.02	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	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	0.1	ppm	3	ND
PRALLETHRIN	0.01	ppm	0.4	ND

Pesticides	LOD	Units	Action Level	Result
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	0.02	ppm	3	ND
SPINETORAM	0.02	PPM	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.01	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.05	ppm	1	ND
TOTAL CONTAMINANT LOAD (PESTICIDES)	0	PPM	20	ND
TOTAL PERMETHRIN	0.01	ppm	1	ND
TOTAL SPINOSAD	0.01	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND
CHLORDANE *	0.01	PPM	0.1	ND
PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
PARATHION-METHYL *	0.01	PPM	0.1	ND
CAPTAN *	0.025	PPM	3	ND
CHLORFENAPYR *	0.01	PPM	0.1	ND
CYFLUTHRIN *	0.01	PPM	1	ND
CYPERMETHRIN *	0.01	PPM	1	ND

Pesticides — PASSED

Analyzed by
585 , 1665
Weight
1.0764g
Extraction date
07/10/20 01:07:56
Extracted By
1082 , 1665

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA013846PES , DA013915VOL
Reviewed On- 07/10/20 11:19:42
Instrument Used : DA-LCMS-001_DER (PES) , DA-GCMS-007
Batch Date : 07/10/20 10:06:11

Reagent	Dilution	Consums. ID
070620.R21 041720.03 062220.11 071020.R02 071020.R03	10	280678841 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.

Jorge Segredo
Lab Director
State License # CMTL-0002
ISO Accreditation # 97164

Signature

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N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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Deerfield Beach, Florida, 33441
Telephone: (954) 609-5537
Email: ashley@greenroads.com

Sample : DA00710009-003
Harvest/LOT ID: A03W01
Batch# : BMR0089/20
Sampled : 07/10/20
Ordered : 07/10/20
Sample Size Received : 2 gram
Completed : 08/06/20 **Expires:** 08/06/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	2	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	750	PASS	ND
ACETONITRILE	6	ppm	60	PASS	ND
BENZENE	0.1	ppm	1	PASS	ND
BUTANES (N-BUTANE)	500	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	2	PASS	ND
DICHLOROMETHANE	12.5	ppm	125	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	400	PASS	ND
ETHYL ETHER	50	ppm	500	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	250	PASS	ND
N-HEXANE	25	ppm	250	PASS	ND
PENTANES (N-PENTANE)	75	ppm	750	PASS	ND
PROPANE	500	ppm	5000	PASS	ND
TOLUENE	15	ppm	150	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0230g	07/10/20 11:07:37	357

Analysis Method - SOP.T.40.032
Analytical Batch - DA013852SOL
Reviewed On - 07/15/20 14:20:54
Instrument Used : DA-GCMS-002
Batch Date : 07/10/20 11:06:28

Reagent	Dilution	Consums. ID
	1	H2017.077 00279984 161291-1

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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N/A
Matrix : Derivative

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Telephone: (954) 609-5537
Email: ashley@greenroads.com

Sample : DA00710009-003
Harvest/LOT ID: A03W01
Batch# : BMR0089/20
Sampled : 07/10/20
Ordered : 07/10/20
Sample Size Received : 2 gram
Completed : 08/06/20 **Expires:** 08/06/21
Sample Method : SOP Client Method

Microbials — PASSED

Analyte	Result
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	< 100 CFU

Analysis Method -SOP.T.40.043 / SOP.T.40.044
Analytical Batch -DA013839MIC , DA013838TYM **Batch Date :** 07/10/20, 07/10/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-013, PathogenDX PCR_Array Scanner DA-111

Analyzed by	Weight	Extraction date	Extracted By
513, 513	1.0428g	07/10/20	1082, 513

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
062220.03	181019-274	50AX30819	D003	2804025
030620.14	SG298A	19323	A07	2808005
101619.05	181207119C	080717	2807007	2811015
	918C4-918J	190827060	2809004	
	914C4-914AK	2802019	2810012A	
	929C6-929H	2803029	027	

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.

Mycotoxins — PASSED

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 -DA013847MYC | **Reviewed On -** 07/15/20 10:57:52
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 07/10/20 10:11:43

Analyzed by	Weight	Extraction date	Extracted By
585	1g	07/10/20 02:07:31	585

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.065 for Sample Preparation and SOP.T40.065 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	Dilution	Consums. ID
030920.02	100	89401-566
070920.R01		
062520.R02		
022520.02		
030420.06		
070120.01		

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

Analyzed by	Weight	Extraction date	Extracted By
53	0.2545g	07/10/20 12:07:46	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA013834HEA | **Reviewed On -** 07/14/20 09:25:37
Instrument Used : DA-ICPMS-002
Batch Date : 07/10/20 09:06:35

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.

Jorge Segredo
Lab Director
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ISO Accreditation # 97164

Signature

08/06/2020
Signed On