4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 350 MG BS HEAT ROLL-ON
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00304013-001
Harvest/Lot ID: C03W01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0093/20
Sample Size Received: 90.9
Retail Product Size: 90.9
Ordered : 03/04/20
Sampled : 03/04/20
Completed: 03/23/20 Expires: 03/23/21
Sampling Method: SOP Client Method

Mar 23, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441

GREEN ROADS™

PASSED

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

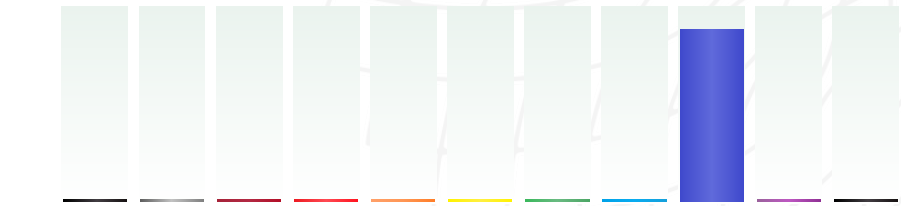
Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS

Total THC
0.000%

Total CBD
0.405%

Total Cannabinoids
0.405%



	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
	ND	ND	ND	ND	ND	ND	ND	ND	0.405%	ND	ND
	ND	ND	ND	ND	ND	ND	ND	ND	4.050 mg/g	ND	ND
LOD	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.001 %	0.0001 %	0.0001 %	0.001 %

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	3.3119g	03/04/20 12:03:36	965

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 03/05/20 10:47:04
Analytical Batch -DA010676POT **Instrument Used :** DA-LC-003 CBD **Batch Date :** 03/04/20 09:11:46

Reagent	Dilution	Consums. ID
022720.R11	400	180111 280653964 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
584	1g	03/05/20		584

Analysis Method -SOP.T.40.013 **Batch Date :** 03/05/20 14:26:59
Analytical Batch -DA010737FIL **Reviewed On -** 03/05/20 14:29:39
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 # n/a
ISO Accreditation # 97164

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03/23/2020
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Matrix : Derivative

Certificate of Analysis

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Green Roads

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Florida, United States 33441
Telephone: (954) 609-5537
Email: support@greenroads.com

Sample : DA00304013-001
Harvest/LOT ID: C03W01
Batch# : BMR0093/20 **Sample Size Received :** 90.9
Sampled : 03/04/20 **Completed :** 03/23/20 **Expires:** 03/23/21
Ordered : 03/04/20 **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	%	0.269
ALPHA-TERPINENE	0.007	%	ND
BETA-MYRCENE	0.007	%	ND
BETA-PINENE	0.007	%	0.023
BORNEOL	0.013	%	ND
CAMPHENE	0.007	%	0.060
CAMPHOR	0.013	%	0.296
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	%	0.043
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

Terpenes	LOD	Units	Result (%)
EUCALYPTOL	0.007	%	0.127
ISOBORNEOL	0.007	%	ND
HEXAHYDROTHYMOL	0.007	%	1.095
FENCHYL ALCOHOL	0.007	%	ND
3-CARENE	0.007	%	ND
CIS-NEROLIDOL	0.007	%	ND
ISOPULEGOL	0.007	%	ND

Total 1.916

Terpenes — TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	0.9674g	03/04/20 12:03:00	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA010688TER **Reviewed On -** 03/05/20 08:52:47
Instrument Used : GA-Triple Quad GCMS Terp
Batch Date : 03/04/20 11:57:34

Reagent	Dilution	Consums. ID
021420.10	10	180111
012120.R13		280653964

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
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ISO Accreditation # 97164

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Matrix : Derivative

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Sample : DA00304013-001
Harvest/LOT ID: C03W01
Batch# : BMR0093/20 **Sample Size Received :** 90.9
Sampled : 03/04/20 **Completed :** 03/23/20 **Expires:** 03/23/21
Ordered : 03/04/20 **Sample Method :** SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
DIMETHOATE	0.01	ppm	0.1	ND
CYPERMETHRIN	0.05	ppm	1	ND
CYFLUTHRIN	0.05	ppm	1	ND
CHLORFENAPYR	0.01	ppm	0.1	ND
METHYL PARATHION	0.005	ppm	0.1	ND
CAPTAN	0.07	ppm	3	ND
ABAMECTIN B1A	0.02	ppm	0.3	ND
ACEPHATE	0.001	ppm	3	ND
DICHLORVOS	0.05	ppm	0.1	ND
DIMETHOMORPH	0.005	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ETHOPROPHOS	0.01	ppm	0.1	ND
ALDICARB	0.02	ppm	0.1	ND
ETOFENPROX	0.01	ppm	0.1	ND
AZOXYSTROBIN	0.01	ppm	3	ND
ETOXAZOLE	0.01	ppm	1.5	ND
BIFENAZATE	0.01	ppm	3	ND
FENHEXAMID	0.01	ppm	3	ND
FENOXYCARB	0.01	ppm	0.1	ND
BIFENTHRIN	0.01	ppm	0.5	ND
BOSCALID	0.01	PPM	3	ND
FENPYROXIMATE	0.01	ppm	2	ND
CARBARYL	0.01	ppm	0.5	ND
FIPRONIL	0.02	ppm	0.1	ND
FLONICAMID	0.01	ppm	2	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
FLUDIOXONIL	0.01	ppm	3	ND
HEXYTHIAZOX	0.01	ppm	2	ND
IMAZALIL	0.01	ppm	0.1	ND
CHLORMEQUAT CHLORIDE	0.05	ppm	3	ND
IMIDACLOPRID	0.01	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.01	ppm	2	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
METALAXYL	0.01	ppm	3	ND
COUMAPHOS	0.005	ppm	0.1	ND
METHIOCARB	0.01	ppm	0.1	ND
METHOMYL	0.01	ppm	0.1	ND

Pesticides	LOD	Units	Action Level	Result
DAMINOZIDE	0.02	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND
NALED	0.01	ppm	0.5	ND
OXAMYL	0.01	ppm	0.5	ND
PACLOBUTRAZOL	0.01	ppm	0.1	ND
PHOSMET	0.01	ppm	0.2	ND
PIPERONYL BUTOXIDE	0.01	ppm	3	ND
PRALLETHRIN	0.05	ppm	0.4	ND
PROPICONAZOLE	0.01	ppm	1	ND
PROPOXUR	0.01	ppm	0.1	ND
PYRETHRINS	0.01	ppm	1	ND
PYRIDABEN	0.01	ppm	3	ND
SPINETORAM	0.01	PPM	3	ND
SPIROMESIFEN	0.01	ppm	3	ND
SPIROTETRAMAT	0.02	ppm	3	ND
SPIROXAMINE	0.01	ppm	0.1	ND
TEBUCONAZOLE	0.01	ppm	1	ND
THIACLOPRID	0.01	ppm	0.1	ND
THIAMETHOXAM	0.01	ppm	1	ND
TOTAL CONTAMINANT LOAD (PESTICIDES)	0.1	ppm	20	ND
TOTAL PERMETHRIN	1	ppm	1	ND
TOTAL SPINOSAD	1	ppm	3	ND
TRIFLOXYSTROBIN	0.01	ppm	3	ND
CHLORDANE *	0.01	ppm	0.1	ND
PCNB *	0.01	ppm	0.2	ND

Pesticides — PASSED

Analyzed by 585 ,
Weight 1.0016g
Extraction date 03/04/20 12:03:50
Extracted By 1082 , 584

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090 , SOP.T.30.065, SOP.T.40.065, SOP.T40.060 and SOP.T.40.090
Analytical Batch - DA010680PES , DA010690 **Reviewed On-** 03/05/20 14:29:39
Instrument Used : DA-LCMS-001_DER
Batch Date : 03/04/20 09:34:44

Reagent	Dilution	Consums. ID
013120.30 022720.R13 030420.R04	10	180111 280653964

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.T40.060 Procedure for Pesticide Quantification Using LCMS). Volatile Pesticides may be tested with GCMSMS under SOP.T.40.070 and SOP.T.40.090. * Pesticide screen is performed using GC-MS which can screen down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 2 Volatile Pesticides. (Method: SOP.T.30.060 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T.40.090 Volatile Pesticides Analysis by GC-MS/MS

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ISO Accreditation # 97164

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N/A
Matrix : Derivative

Certificate of Analysis

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Telephone: (954) 609-5537
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Sample : DA00304013-001
Harvest/LOT ID: C03W01

Batch# : BMR0093/20
Sampled : 03/04/20
Ordered : 03/04/20

Sample Size Received : 90.9
Completed : 03/23/20 **Expires:** 03/23/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
ACETONE	67.5	ppm	750	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm		PASS	2446.635
ETHYL ACETATE	36	ppm	400	PASS	ND
ETHYL ETHER	45	ppm	500	PASS	ND
ETHYLENE OXIDE	0.6	ppm	5	PASS	ND
HEPTANE	45	ppm	5000	PASS	ND
METHANOL	22.5	ppm	250	PASS	ND
N-HEXANE	4.5	ppm	250	PASS	ND
PENTANES (N-PENTANE)	67.5	ppm	750	PASS	ND
PROPANE	120	ppm	5000	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0284g	03/04/20 02:03:40	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA010661SOL **Reviewed On - 03/05/20 12:08:01**
Instrument Used : Headspace GCMS
Batch Date : 03/03/20 15:49:14

Reagent	Dilution	Consums. ID
	1	00279984 161291-1 24154107

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.30.032 Residual Solvents Analysis via GC-MS).

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Lab Director

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ISO Accreditation # 97164

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kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs
GRW 350 MG BS HEAT ROLL-ON
N/A
Matrix : Derivative

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Sample : DA00304013-001
Harvest/LOT ID: C03W01
Batch# : BMR0093/20
Sampled : 03/04/20
Ordered : 03/04/20
Sample Size Received : 90.9
Completed : 03/23/20 **Expires:** 03/23/21
Sample Method : SOP Client Method

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 -DA010681 | Reviewed On - 03/05/20 14:20:27
Instrument Used : DA-LCMS-001_DER
Batch Date : 03/04/20 09:35:57

Analyzed by	Weight	Extraction date	Extracted By
585	1g	03/04/20 01:03:45	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.

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.
STAPHYLOCOCCUS_AUREUS	not present in 1 gram.
TOTAL_YEAST_AND_MOLD	<100

Analysis Method -SOP.T.40.043
Analytical Batch -DA010743MIC | Reviewed On - 03/23/20 14:09:21
Instrument Used : PathogenDX PCR_Array Scanner
Batch Date : 03/05/20 17:12:39

Analyzed by	Weight	Extraction date	Extracted By
513	1.0587g	03/06/20 09:03:56	513

Reagent	Dilution	Consums. ID

Consums. ID
4603475C
3366H6

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.

Heavy Metals — PASSED

Reagent	Reagent	Dilution
030320.R13	030420.R01	50
030420.R05	030320.R12	
030220.R01	111319.02	
030220.R02		
030420.R03		
030420.R02		

Metal	LOD	Unit	Result	Action Level (PPM)
ARSENIC	0.02	ppm	ND	1.5
CADMIUM	0.02	ppm	ND	0.5
LEAD	0.02	ppm	0.327	0.5
MERCURY	0.02	ppm	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2751g	03/04/20 01:03:51	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA010672HEA | Reviewed On - 03/05/20 07:42:15
Instrument Used : ICPMS-2030
Batch Date : 03/04/20 08:54:39

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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ISO Accreditation # 97164

Signature

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