4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 750 MG CBD MUSCLE & JOINT HEAT RELEIF
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00519012-001
Harvest/Lot ID: D15W01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0114/20
Sample Size Received: 90.9 gram
Retail Product Size: 90.9
Ordered : 05/19/20
Sampled : 05/19/20
Completed: 05/27/20 Expires: 05/27/21
Sampling Method: SOP Client Method

May 27, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441

GREEN ROADS™

PASSED

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

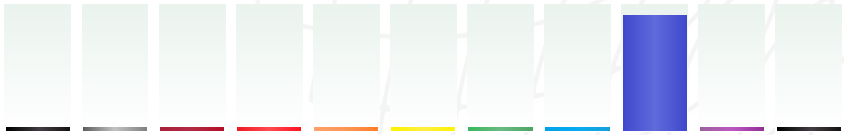
Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS

Total THC
0.000%
THC/Container :0.000 mg

Total CBD
0.875%
CBD/Container :795.375 mg

Total Cannabinoids
0.888%
Total Cannabinoids/Container :807.192 mg



	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
	ND	ND	0.013%	ND	ND	ND	ND	ND	0.875%	ND	ND
	ND	ND	0.130 mg/g	ND	ND	ND	ND	ND	8.750 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 %

Filth PASSED

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

Analysis Method -SOP.T.40.013 **Batch Date :** 05/19/20 08:13:34
Analytical Batch -DA012503FIL **Reviewed On -** 05/19/20 14:54:31
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.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.0128g	05/20/20 03:05:31	574

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 05/21/20 13:47:19
Analytical Batch -DA012562POT **Instrument Used :** DA-LC-003 **Batch Date :** 05/20/20 10:41:19

Reagent	Dilution	Consums. ID
032320.27	400	280678841
051520.R13		914C4-914AK
051520.R12		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).

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Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation # 97164

Signature

05/27/2020
Signed On

4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 750 MG CBD MUSCLE & JOINT HEAT RELEIF
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00519012-001
Harvest/LOT ID: D15W01
Batch# : BMR0114/20
Sampled : 05/19/20
Ordered : 05/19/20
Sample Size Received : 90.9 gram
Completed : 05/27/20 **Expires:** 05/27/21
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	%	0.386
ALPHA-TERPINENE	0.007	%	ND
BETA-MYRCENE	0.007	%	ND
BETA-PINENE	0.007	%	0.032
BORNEOL	0.013	%	ND
CAMPHENE	0.007	%	0.077
CAMPHOR	0.013	%	0.337
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	%	0.062
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	%	0.124
ISOBORNEOL	0.007	%	ND
HEXAHYDROTHYMOL	0.007	%	1.165
FENCHYL ALCOHOL	0.007	%	ND
3-CARENE	0.007	%	ND
CIS-NEROLIDOL	0.007	%	ND
ISOPULEGOL	0.007	%	ND

Total 2.187

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	0.9506g	05/19/20 02:05:50	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA012510TER
Reviewed On - 05/20/20 13:09:58
Instrument Used : DA-GCMS-005
Batch Date : 05/19/20 08:45:10

Reagent	Dilution	Consums. ID
042920.08	10	280678841
012120.R13		76262-590
051420.R15		
051420.R16		
051520.R25		

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.

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Jorge Segredo
Lab Director
State License # n/a
ISO Accreditation # 97164

Signature

05/27/2020
Signed On

kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 750 MG CBD MUSCLE & JOINT HEAT RELEIF
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00519012-001
Harvest/LOT ID: D15W01
Batch# : BMR0114/20
Sampled : 05/19/20
Ordered : 05/19/20
Sample Size Received : 90.9 gram
Completed : 05/27/20 **Expires:** 05/27/21
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	0.05	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
METHYL PARATHION	0.005	ppm	0.1	ND
MEVINPHOS	0.01	ppm	0.1	ND
MYCLOBUTANIL	0.01	ppm	3	ND

Pesticides	LOD	Units	Action Level	Result
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
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

Pesticides — PASSED

Analyzed by 585
Weight 1.0519g
Extraction date 05/19/20 12:05:30
Extracted By 1082

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA012522PES
Reviewed On- 05/19/20 14:54:31
Instrument Used : DA-LCMS-002_DER (PES)
Batch Date : 05/19/20 09:48:29

Reagent	Dilution	Consums. ID
050820.02 051820.R23 041720.03 051920.R14 051920.R15	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.

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Jorge Segredo
Lab Director
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ISO Accreditation # 97164

Signature

05/27/2020
Signed On

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Kaycha Labs

GRW 750 MG CBD MUSCLE & JOINT HEAT RELEIF
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00519012-001
Harvest/LOT ID: D15W01
Batch# : BMR0114/20
Sampled : 05/19/20
Ordered : 05/19/20
Sample Size Received : 90.9 gram
Completed : 05/27/20 **Expires:** 05/27/21
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		PASS	2705.554
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	0.0227g	05/20/20 04:05:14	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA012571SOL
Reviewed On - 05/21/20 14:34:37
Instrument Used : DA-GCMS-002
Batch Date : 05/20/20 14:41:58

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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Signature

05/27/2020
Signed On

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Kaycha Labs

GRW 750 MG CBD MUSCLE & JOINT HEAT RELEIF
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00519012-001
Harvest/LOT ID: D15W01
Batch# : BMR0114/20
Sampled : 05/19/20
Ordered : 05/19/20
Sample Size Received : 90.9 gram
Completed : 05/27/20 **Expires:** 05/27/21
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 -DA012525MYC | **Reviewed On -** 05/22/20 14:39:24
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 05/19/20 09:49:19

Analyzed by	Weight	Extraction date	Extracted By
585	1g	05/19/20 01:05:03	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 / SOP.T.40.045
Analytical Batch -DA012602MIC | **Reviewed On -** 05/22/20 20:55:42
Instrument Used : PathogenDX PCR_Array Scanner DA-111
Batch Date : 05/21/20 18:46:21

Analyzed by	Weight	Extraction date	Extracted By
513	1.0529g	05/22/20 08:05:12	513

Reagent	Dilution	Consums. ID

Consums. ID

41831288A
190611634
914C4-914AK
929C6-929H

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	Consums. ID
051820.R24	051820.R07	100	89401-566
051920.R02	051820.R05		
030920.01	051820.R06		
051820.R02	051820.R04		
051820.R03			
050520.R05			

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	0.296	
MERCURY	0.02	PPM	ND	3

Analyzed by	Weight	Extraction date	Extracted By
457	0.2656g	05/19/20 02:05:35	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA012519HEA | **Reviewed On -** 05/20/20 08:37:42
Instrument Used : DA-ICPMS-002
Batch Date : 05/19/20 09:40:38

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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