kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs
GRW 1500 MG BS APPLE KIWI
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00317003-001
Harvest/Lot ID: B10W02
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0048
Sample Size Received: 35.1 gram
Retail Product Size: 30
Ordered : 03/11/20
Sampled : 03/11/20
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

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

MISC.

Terpenes
TESTED

CANNABINOID RESULTS

Total THC
0.000%
THC/Container :0.000 mg

Total CBD
4.133%
CBD/Container :1562.274 mg

Total Cannabinoids
4.229%
Total Cannabinoids/Container :1598.562 mg

	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
	ND	ND	0.070%	ND	ND	0.026%	ND	ND	4.133%	ND	ND
	ND	ND	0.700 mg/g	ND	ND	0.260 mg/g	ND	ND	41.330 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
584	1g	03/17/20		584

Analysis Method -SOP.T.40.013 **Batch Date :** 03/17/20 10:36:16
Analytical Batch -DA011020FIL **Reviewed On -** 03/17/20 10:37:18
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 :
1224	3.0698g	03/20/20 04:03:55	1224

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 03/23/20 10:03:06
Analytical Batch -DA011096POT **Instrument Used :** DA-LC-003 CBD **Batch Date :** 03/20/20 08:48:17

Reagent	Dilution	Consums. ID
022820.05	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).

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

Signature

03/23/2020
Signed On

kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs
GRW 1500 MG BS APPLE KIWI
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00317003-001
Harvest/LOT ID: B10W02
Batch# : BMR0048 **Sample Size Received :** 35.1 gram
Sampled : 03/11/20 **Completed :** 03/23/20 **Expires:** 03/23/21
Ordered : 03/11/20 **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	

Terpenes	LOD	Units		Result (%)
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

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	0.9999g	03/17/20 10:03:24	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA011007TER **Reviewed On -** 03/18/20 08:20:49
Instrument Used : GA-Triple Quad GCMS Terp
Batch Date : 03/17/20 07:57:55

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

Signature

03/23/2020
Signed On

kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs
GRW 1500 MG BS APPLE KIWI
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00317003-001
Harvest/LOT ID: B10W02
Batch# : BMR0048
Sampled : 03/11/20
Ordered : 03/11/20
Sample Size Received : 35.1 gram
Completed : 03/23/20 **Expires:** 03/23/21
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

Pesticides — PASSED

Analyzed by	Weight	Extraction date	Extracted By
585	1.0860g	03/17/20 10:03:59	1082

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 - DA011015PES
Reviewed On- 03/17/20 10:37:18
Instrument Used : DA-LCMS-001_DER
Batch Date : 03/17/20 10:27:46

Reagent	Dilution	Consums. ID
	10	

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

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

Signature

03/23/2020
Signed On

4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 1500 MG BS APPLE KIWI
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00317003-001
Harvest/LOT ID: B10W02
Batch# : BMR0048
Sampled : 03/11/20
Ordered : 03/11/20
Sample Size Received : 35.1 gram
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	1000000	PASS	3764.119
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	0.0279g	03/17/20 03:03:17	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA011004SOL **Reviewed On - 03/18/20 11:06:55**
Instrument Used : Headspace GCMS
Batch Date : 03/16/20 15:55:28

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).

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

Signature

03/23/2020
Signed On

kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs
GRW 1500 MG BS APPLE KIWI
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00317003-001
Harvest/LOT ID: B10W02
Batch# : BMR0048
Sampled : 03/11/20
Ordered : 03/11/20
Sample Size Received : 35.1 gram
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 -DA011018MYC | **Reviewed On -** 03/18/20 15:24:20
Instrument Used : DA-LCMS-001_DER
Batch Date : 03/17/20 10:30:22

Analyzed by	Weight	Extraction date	Extracted By
585	1g	03/17/20 03:03:14	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.

Reagent
013120.312
013120.97
122719.32
013120.124
020320.56
013120.320
121719.25
122719.136
021220.38
013120.132
020320.64
121719.20
013120.326
013120.419
022120.74

Reagent	Consums. ID
123119.61	181207119C
	918C4-918J
	914C4-914AK
	929C6-929H
	50AX26219
	19323
	23819111
	190611634

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

Analysis Method -SOP.T.40.043
Analytical Batch -DA011012MIC | **Reviewed On -** 03/18/20 16:36:08
Instrument Used : PathogenDX PCR_Array Scanner,PathogenDX PCR_DA-010
Batch Date : 03/17/20 09:44:18

Analyzed by	Weight	Extraction date	Extracted By
513	1.0386g	03/17/20 10:03:29	1082

Reagent	Dilution	Consums. ID
082019.47		181019-274

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
030920.R16
031720.R01
031720.R02
031720.R03
030420.R03
030920.R02

Reagent	Dilution
030420.R01	50
031020.R02	
111319.02	

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	ND	0.5
MERCURY	0.02	ppm	ND	3

Analyzed by	Weight	Extraction date	Extracted By
53	0.2518g	03/17/20 11:03:38	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA011021HEA | **Reviewed On -** 03/18/20 08:22:50
Instrument Used : ICPMS-2030
Batch Date : 03/17/20 10:36:55

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
State License # n/a
ISO Accreditation # 97164

Signature

03/23/2020
Signed On