kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs
GRW 750 MG BS ORIGINAL
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00219012-001
Harvest/Lot ID: B10W01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0050
Sample Size Received: 35.1 gram
Ordered : 02/19/20
Sampled : 02/19/20
Completed: 02/21/20 Expires: 02/21/21
Sampling Method: SOP Client Method

PASSED

Feb 21, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441

GREEN ROADS™

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

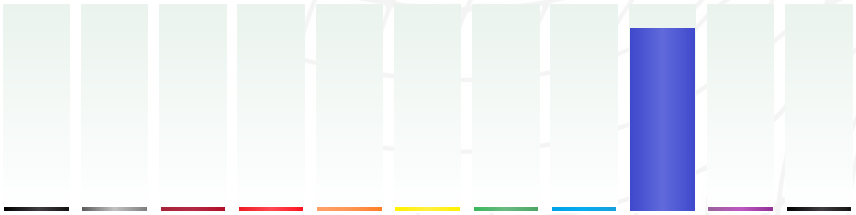
Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS

Total THC
0.000%

Total CBD
2.228%

Total Cannabinoids
2.278%



CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
ND	ND	0.037 %	ND	ND	0.013 %	ND	ND	2.228 %	ND	ND
ND	ND	0.370 mg/g	ND	ND	0.130 mg/g	ND	ND	22.280 mg/g	ND	ND
0.001 ppm	0.001 ppm	0.001 ppm	0.001 ppm	0.001 ppm	0.001 ppm	0.001 ppm	0.001 ppm	0.0001 ppm	0.0001 ppm	0.001 ppm

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
1224	3.0665g	02/19/20 01:02:13	965

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 02/21/20 09:37:22
Analytical Batch -DA010366POT **Instrument Used :** DA-LC-003 CBD **Batch Date :** 02/19/20 11:45:25

Reagent	Dilution	Consums. ID
021820.R02	400	76124-662
021320.R15		SFN-BX-1025
021320.R14		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).

Filth PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
584	1g	02/20/20 12:02:49		584

Analysis Method -SOP.T.40.013 **Batch Date :** 02/20/20 12:10:26
Analytical Batch -DA010393FIL **Reviewed On -** 02/20/20 12:11:40
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

Signature

02/21/2020
Signed On

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Email: aa@forceinvestments.com

Sample : DA00219012-001
Harvest/LOT ID: B10W01

Batch# : BMR0050
Sampled : 02/19/20
Ordered : 02/19/20

Sample Size Received : 35.1 gram
Completed : 02/21/20 **Expires :** 02/21/21
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	%	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	0.9981g	02/19/20 12:02:47	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA010330TER **Reviewed On -** 02/20/20 10:54:15
Instrument Used : Liquid Injection GCMS QP2020 (E-SHI-128)
Batch Date : 02/19/20 07:59:39

Reagent	Dilution	Consums. ID
021420.10	10	180711 SFN-BX-1025

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

02/21/2020
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Matrix : Derivative

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Telephone: (954) 609-5537
Email: aa@forceinvestments.com

Sample : DA00219012-001
Harvest/LOT ID: B10W01

Batch# : BMR0050
Sampled : 02/19/20
Ordered : 02/19/20

Sample Size Received : 35.1 gram
Completed : 02/21/20 **Expires :** 02/21/21
Sample Method : SOP Client Method

Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Result
ABAMECTIN B1A	0.02	ppm	0.3	ND
ACEPHATE	0.001	ppm	3	ND
ACEQUINOCYL	0.01	ppm	2	ND
ACETAMIPRID	0.01	ppm	3	ND
ALDICARB	0.02	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	0.01	ppm	0.5	ND
CARBOFURAN	0.01	ppm	0.1	ND
CHLORANTRANILIPROLE	0.01	ppm	3	ND
CHLORPYRIFOS	0.01	ppm	0.1	ND
CLOFENTEZINE	0.01	ppm	0.5	ND
COUMAPHOS	0.005	ppm	0.1	ND
DAMINOZIDE	0.02	ppm	0.1	ND
DIAZANON	0.01	ppm	0.2	ND
DICHLORVOS	0.05	ppm	0.1	ND
DIMETHOATE	0.01	ppm	0.1	ND
DIMETHOMORPH	0.005	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	0.02	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	0.01	ppm	3	ND
KRESOXIM-METHYL	0.01	ppm	1	ND
MALATHION	0.01	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

Pesticides	LOD	Units	Action Level	Result
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	1.0780g	02/19/20 02:02:11	585

Analysis Method - SOP.T.30.065, SOP.T.40.065, SOP.T40.060, SOP.T.40.070 and SOP.T.40.090
Analytical Batch - DA010349PES
Reviewed On- 02/20/20 12:11:40
Instrument Used : DA-LCMS-001_DER
Batch Date : 02/19/20 09:39:58

Reagent	Dilution	Consums. ID
013120.30 020520.R09 020720.R01	10	180711

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.

Jorge Segredo
Lab Director

State License # n/a
ISO Accreditation # 97164

Signature

02/21/2020
Signed On

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GRW 750 MG BS ORIGINAL
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

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Telephone: (954) 609-5537
Email: aa@forceinvestments.com

Sample : DA00219012-001
Harvest/LOT ID: B10W01

Batch# : BMR0050
Sampled : 02/19/20
Ordered : 02/19/20

Sample Size Received : 35.1 gram
Completed : 02/21/20 **Expires :** 02/21/21
Sample Method : SOP Client Method

Residual Solvents — PASSED

Solvent	LOD	Units	Action Level (PPM)	Pass/Fail	Result
BUTANES (N-BUTANE)	96	ppm	5000	PASS	ND
CHLOROFORM	0.18	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.18	ppm	2	PASS	ND
1,1-DICHLOROETHENE	1	ppm	8	PASS	ND
DICHLOROMETHANE	3.75	ppm	125	PASS	ND
ETHANOL	90	ppm	1000000	PASS	1175.585
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
ACETONE	67.5	ppm	750	PASS	ND
PROPANE	120	ppm	5000	PASS	ND
ACETONITRILE	5.4	ppm	60	PASS	ND
TOLUENE	13.5	ppm	150	PASS	ND
BENZENE	0.09	ppm	1	PASS	ND
TOTAL XYLENES	13.5	ppm	150	PASS	ND
2-PROPANOL	45	ppm	500	PASS	ND
TRICHLOROETHYLENE	2.25	ppm	25	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0283g	02/19/20 01:02:41	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA010368SOL **Reviewed On -** 02/20/20 14:22:52
Instrument Used : Headspace GCMS 2
Batch Date : 02/19/20 13:54:59

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

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ISO Accreditation # 97164

Signature

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N/A
Matrix : Derivative

Certificate of Analysis

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Telephone: (954) 609-5537
Email: aa@forceinvestments.com

Sample : DA00219012-001
Harvest/LOT ID: B10W01

Batch# : BMR0050
Sampled : 02/19/20
Ordered : 02/19/20

Sample Size Received : 35.1 gram
Completed : 02/21/20 **Expires :** 02/21/21
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 -DA010350 | **Reviewed On -** 02/20/20 13:50:32
Instrument Used : DA-LCMS-001_DER
Batch Date : 02/19/20 09:40:58

Analyzed by	Weight	Extraction date	Extracted By
585	1g	02/19/20 02:02:04	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.

Consums. ID

181207119C
918C4
923C4-923AK
929C6-929H
50AX26219
19323
23819111
190611634

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.

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	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -DA010338MIC | **Reviewed On -** 02/21/20 08:48:59
Instrument Used : PathogenDX PCR_Array Scanner
Batch Date : 02/19/20 08:48:48

Analyzed by	Weight	Extraction date	Extracted By
513	1.0171g	02/19/20 12:02:35	1082

Reagent	Dilution	Consums. ID
		181019-274

Heavy Metals — PASSED

Reagent	Reagent	Dilution
021720.R02	021720.R04	50
021720.R01	021420.R01	
021320.R11	111319.02	
021720.R03		
021720.R06		
021920.R01		

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
457	0.2665g	02/19/20 02:02:15	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA010335HEA | **Reviewed On -** 02/20/20 14:40:45
Instrument Used : ICPMS-2030
Batch Date : 02/19/20 08:45:13

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

02/21/2020
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