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

Kaycha Labs

GRW SWEET SLEEP WITH MELATONIN
N/A
Matrix: Edible

Certificate of Analysis

Sample:DA00730013-001
Harvest/Lot ID: G15W01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0112/GRW0103
Sample Size Received: 34.8 gram
Retail Product Size: 34.8
Ordered : 07/27/20
Sampled : 07/27/20
Completed: 08/04/20 Expires: 08/04/21
Sampling Method: SOP Client Method

Aug 04, 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
1.994%
CBD/Container :693.912 mg

Total Cannabinoids
2.204%
Total Cannabinoids/Container :766.992 mg

	CBC	CBD	CBDA	CBDV	CBG	CBGA	CBN	D8-THC	D9-THC	THCA	THCV
	ND	1.994%	ND	ND	ND	ND	0.210%	ND	ND	ND	ND
	ND	19.940 mg/g	ND	ND	ND	ND	2.100 mg/g	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 %

Filth PASSED

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

Analysis Method -SOP.T.40.013 **Batch Date :** 07/29/20 10:37:52
Analytical Batch -DA014370FIL **Reviewed On -** 07/30/20 11:39:43
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	3.0219g	07/30/20 06:07:51	574

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 08/03/20 12:54:01
Analytical Batch -DA014401POT **Instrument Used :** DA-LC-003 CBD **Batch Date :** 07/30/20 09:43:37

Reagent	Dilution	Consums. ID
032320.28	40	280678841
073020.R20		918C4-918J
073020.R21		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 # CMTL-0002
ISO Accreditation # 97164

Signature

08/04/2020
Signed On

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N/A
Matrix : Edible

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00730013-001
Harvest/LOT ID: G15W01
Batch# : BMR0112/GRW0103
Sampled : 07/27/20
Ordered : 07/27/20

Sample Size Received : 34.8 gram
Completed : 08/04/20 **Expires:** 08/04/21
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 0.000

Terpenes — TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	1.0493g	07/30/20 12:07:33	1082

Analysis Method - SOP.T.40.090
Analytical Batch - DA014412TER **Reviewed On -** 08/04/20 11:33:31
Instrument Used : DA-GCMS-005
Batch Date : 07/30/20 11:46:23

Reagent	Dilution	Consums. ID
071520.R04	10	280678841
080320.R05		76262-590
080320.R06		
073020.R01		

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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N/A
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Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00730013-001
Harvest/LOT ID: G15W01
Batch# : BMR0112/GRW0103
Sampled : 07/27/20
Ordered : 07/27/20

Sample Size Received : 34.8 gram
Completed : 08/04/20 **Expires:** 08/04/21
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
PYRETHRIN I	0.01	ppm	1	ND
PYRETHRIN II	0.01	ppm	1	ND
PYRETHRINS	0.05	ppm	1	ND
PYRIDABEN	0.02	ppm	3	ND
SPINETORAM	0.02	PPM	3	ND
SPINOSAD (SPINOSYN A)	0.01	ppm	3	ND
SPINOSAD (SPINOSYN D)	0.01	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 1.0664g
Extraction date 07/30/20 01:07:09
Extracted By 1082

Analysis Method - SOP.T.30.065, SOP.T.40.065 , SOP.T.30.065, SOP.T40.070
Analytical Batch - DA014411PES
Reviewed On- 07/30/20 11:39:43
Instrument Used : DA-LCMS-001_DER (PES)
Batch Date : 07/30/20 11:35:24

Reagent	Dilution	Consums. ID
041420.11 070620.02 073020.R04 073020.R05 073120.R05	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

08/04/2020
Signed On

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N/A
Matrix : Edible

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00730013-001
Harvest/LOT ID: G15W01
Batch# : BMR0112/GRW0103
Sampled : 07/27/20
Ordered : 07/27/20

Sample Size Received : 34.8 gram
Completed : 08/04/20 **Expires:** 08/04/21
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	5	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
PROPANE	500	ppm	2100	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES	15	ppm	150	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
XYLENES-M (1,3-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-M&P (1,3&1,4-DIMETHYLBENZENE)	27	ppm	2170	PASS	ND
XYLENES-O (1,2-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND
XYLENES-P (1,4-DIMETHYLBENZENE)	13.5	ppm	2170	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0251g	07/31/20 05:07:17	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA014448SOL **Reviewed On -** 08/03/20 13:29:01
Instrument Used : DA-GCMS-002
Batch Date : 07/31/20 13:48:48

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).

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

Signature

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N/A
Matrix : Edible

Certificate of Analysis

PASSED

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

Sample : DA00730013-001
Harvest/LOT ID: G15W01
Batch# : BMR0112/GRW0103
Sampled : 07/27/20
Ordered : 07/27/20

Sample Size Received : 34.8 gram
Completed : 08/04/20 **Expires:** 08/04/21
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 -DA014388MIC , DA014389TYM Batch Date : 07/30/20, 07/30/20
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171, DA-111 PathogenDx Scanner,DA-089 Mini-amp Thermocycler

Analyzed by	Weight	Extraction date	Extracted By
513, 513	1.0168g	07/30/20	1082, 513

Reagent	Consums. ID	Consums. ID	Consums. ID	Consums. ID
062220.04	181019-274	19323	2809004	2802019
101619.01	SG298A	080717	2810012A	2803029
	181207119C	190827060	027	
	918C4-918J	850C6-850H	2804025	
	914C4-914AK	A06	2808005	
	50AX30819	2807007	2811015	

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 -DA014413MYC | Reviewed On - 08/03/20 11:40:56
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 07/30/20 11:49:06

Analyzed by	Weight	Extraction date	Extracted By
585	1g	07/30/20 04:07:09	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	Reagent	Dilution	Consums. ID
071720.R04	072220.R01	100	89401-566
072420.R16	071420.R15		
030920.02	071720.R02		
072720.R02	022520.02		
072020.R01	030420.06		
072420.R01	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	0.2472g	08/03/20 08:08:22	1022

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA014340HEA | Reviewed On - 07/31/20 12:29:28
Instrument Used : DA-ICPMS-001
Batch Date : 07/28/20 09:49:26

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 # CMTL-0002
ISO Accreditation # 97164

Signature

08/04/2020
Signed On