kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

25 MG SLEEP CAPSULES
N/A
Matrix: Edible

Certificate of Analysis

Sample:DA00210005-001
Harvest/Lot ID: M02V01
Seed to Sale #N/A
Batch Date :N/A
Batch#: GRW0078
Sample Size Received: 20 gram
Retail Product Size: 20
Ordered : 02/07/20
Sampled : 02/07/20
Completed: 04/29/20 Expires: 04/29/21
Sampling Method: SOP Client Method

Apr 29, 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	PASSED	PASSED	TESTED

CANNABINOID RESULTS

Total THC
0.000%
THC/Container :0.00 mg

Total CBD
6.288%
CBD/Container :29.66 mg

Total Cannabinoids
6.306%
Total Cannabinoids/Container :

	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
	ND	ND	ND	ND	ND	0.018%	ND	ND	6.288%	ND	ND
	ND	ND	ND	ND	ND	0.180 mg/g	ND	ND	62.880 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 :
450	1.4202g	02/11/20 12:02:14	574

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA010134POT **Instrument Used :** DA-LC-003
Reviewed On - 02/12/20 09:07:24
Batch Date : 02/11/20 09:33:54

Reagent	Dilution	Consums. ID
020420.R14	400	76124-662
020520.R12		SFN-BX-1025
020520.R13		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).

Label Claim

Analyte	LOD	Units	Result
SERVINGS	0	servings	20.000
THC/SERVING	0.001	mg	ND
CBD/SERVING	0.001	mg	62.880
CBN/CONTAINER	0.1	mg	ND
CBG/CONTAINER	0.01	mg	ND

Filth PASSED

Analyzed By	Weight	Extraction date	LOD(ppm)	Extracted By
584	1g	02/10/20		584

Analysis Method -SOP.T.40.013
Analytical Batch -DA010119FIL
Instrument Used :
Batch Date : 02/10/20 13:29:48
Reviewed On - 02/10/20 17:08:53

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.

Water Activity PASSED

Analyte	Analyzed by	Weight	Ext. date	LOD(ppm)	Result
WATER ACTIVITY	584	1g	02/12/20	0.1	0.412 aW

Analysis Method -Water Activity SOP.T.40.010
Analytical Batch -DA010008WAT
Instrument Used :
Batch Date : 02/05/20 12:12:07
Reviewed On - 02/10/20 13:39:15

Moisture PASSED

Analyte	Analyzed by	Weight	Ext. date	LOD(ppm)	Result
MOISTURE CONTENT	584	0.523g	02/12/20	1	5.160 %

Analysis Method -Moisture
Analysis SOP.T.40.011
Analytical Batch -DA010009MOI
Instrument Used :
Batch Date : 02/05/20 12:12:17
Reviewed On - 02/10/20 17:08:16

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

Signature

04/29/2020
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25 MG SLEEP CAPSULES
N/A
Matrix : Edible

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00210005-001
Harvest/LOT ID: M02V01
Batch# : GRW0078
Sampled : 02/07/20
Ordered : 02/07/20
Sample Size Received : 20 gram
Completed : 04/29/20 **Expires:** 04/29/21
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	
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	0.9997g	02/10/20 02:02:25	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA010094TER
Reviewed On - 02/11/20 14:25:00
Instrument Used : DA-GCMS-004
Batch Date : 02/10/20 08:36:59

Reagent	Dilution	Consums. ID
052119.04	10	180711 1929V5454

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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ISO Accreditation # 97164

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N/A
Matrix : Edible

Certificate of Analysis

PASSED

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

Sample : DA00210005-001
Harvest/LOT ID: M02V01

Batch# : GRW0078
Sampled : 02/07/20
Ordered : 02/07/20

Sample Size Received : 20 gram
Completed : 04/29/20 **Expires:** 04/29/21
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
CYPERMETHRIN	0.05	ppm	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

Pesticides	LOD	Units	Action Level	Result
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
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
CHLORDANE *	0.01	PPM	0.1	ND
PENTACHLORONITROBENZENE (PCNB) *	0.01	PPM	0.2	ND
PARATHION-METHYL *	0.01	PPM	0.1	ND
CAPTAN *	0.025	PPM	3	ND
CHLORFENAPYR *	0.01	PPM	0.1	ND
CYFLUTHRIN *	0.01	PPM	1	ND
CYPERMETHRIN *	0.01	PPM	1	ND

Pesticides — PASSED

Analyzed by
56 , 53

Weight
1.0753g

Extraction date
02/10/20 12:02:09

Extracted By
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 - DA010112PES , DA010161 **Reviewed On-** 02/10/20 17:08:53
Instrument Used : DA-LCMS-002
Batch Date : 02/10/20 11:05:11

Reagent	Dilution	Consums. ID
012120.23 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. * 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

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ISO Accreditation # 97164

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25 MG SLEEP CAPSULES
N/A
Matrix : Edible

Certificate of Analysis

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Telephone: (954) 609-5537
Email: ashley@greenroads.com

Sample : DA00210005-001
Harvest/LOT ID: M02V01
Batch# : GRW0078
Sampled : 02/07/20
Ordered : 02/07/20
Sample Size Received : 20 gram
Completed : 04/29/20 **Expires:** 04/29/21
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	ND
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	0.0263g	04/21/20 03:04:10	850

Analysis Method - SOP.T.40.032
Analytical Batch - DA011845SOL
Reviewed On - 04/24/20 14:18:08
Instrument Used : DA-GCMS-002
Batch Date : 04/21/20 15:00:55

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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N/A
Matrix : Edible

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Sample : DA00210005-001
Harvest/LOT ID: M02V01
Batch# : GRW0078
Sampled : 02/07/20
Ordered : 02/07/20
Sample Size Received : 20 gram
Completed : 04/29/20 **Expires:** 04/29/21
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 -DA010109 | Reviewed On - 02/13/20 08:08:10
Instrument Used :
Batch Date : 02/10/20 11:04:03

Analyzed by	Weight	Extraction date	Extracted By
56	1g	NA	NA

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	Consums. ID
121719.41	918C4
013120.34	923C4-923AK
122719.45	929C6-929H
020420.375	50AX26219
121719.32	23819111
013120.59	190611634
122719.54	
122719.57	
122719.77	
122719.32	

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.

Analysis Method -SOP.T.40.043
Analytical Batch -DA010095MIC | Reviewed On - 02/11/20 18:30:02
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-010
Batch Date : 02/10/20 09:00:41

Analyzed by	Weight	Extraction date	Extracted By
513	1.0170g	02/10/20 10:02:10	1082

Reagent	Dilution	Consums. ID
020620.R10		181019-274
122719.113		SG298A

Heavy Metals — PASSED

Reagent	Reagent	Dilution
020320.R22	020720.R02	50
021120.R01	111319.01	
020620.R01	012920.R01	
020620.R02		
012920.R03		
020520.R01		

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	0.2630g	02/12/20 11:02:44	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA010127HEA | Reviewed On - 02/12/20 08:47:23
Instrument Used : DA-ICPMS-001
Batch Date : 02/11/20 08:39:22

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

04/29/2020
Signed On