kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 300 MG BS APPLE KIWI
N/A
Matrix : Derivative

Certificate of Analysis

SAMPLE:DA00121011-002
Harvest/Lot ID: A06W02
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0046/19
Sample Size Received: 35.1 gram
Ordered : 01/17/20
Sampled : 01/17/20
Completed: 01/23/20 Expires: 01/23/21
Sampling Method: SOP Client Method

Jan 23, 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%

Total CBD
0.838%

Total Cannabinoids
0.838%

CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	THCA	D9-THC
ND	ND	ND	ND	ND	ND	ND	ND	0.838 %	ND	ND
ND	ND	ND	ND	ND	ND	ND	ND	8.380 mg/g	ND	ND
0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.0001	0.001	0.0001

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
450	3.3529g	01/22/20	574

Analysis Method -SOP.T.40.020, SOP.T.30.050
Analytical Batch -DA009606POT **Instrument Used :** DA-LC-003 **Batch Date :** 01/21/20

Reagent	Dilution	Consums. ID
011020.R10	400	76124-662 SFN-BX-1025 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

Analyte	Weight	Extraction date	LOD	Extracted By
584	1g	01/21/20		584

Analysis Method -SOP.T.40.013
Analytical Batch -DA009580FIL
Instrument Used :
Batch Date : 01/21/20

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

01/23/2020
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Terpenes — TESTED

Terpenes	LOD		TEST 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	
ISOPULEGOL	0.007	ND	
CIS-NEROLIDOL	0.007	ND	
3-CARENE	0.007	ND	
FENCHYL ALCOHOL	0.007	ND	
HEXAHYDROTHYMOL	0.007	ND	
EUCALYPTOL	0.007	ND	
ISOBORNEOL	0.007	ND	
FARNESENE	0.007	ND	
FENCHONE	0.007	ND	
GAMMA-TERPINENE	0.007	ND	
GERANIOL	0.007	ND	
GERANYL ACETATE	0.007	ND	
GUAIOL	0.007	ND	
LIMONENE	0.007	ND	
LINALOOL	0.007	ND	
NEROL	0.007	ND	
OCIMENE	0.007	ND	
ALPHA-PHELLANDRENE	0.007	ND	
PULEGONE	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	

Total 0

Terpenes — TESTED

Analyzed by	Weight	Extraction date	Extracted By
1118	1.0094g	01/21/20	1118

Analysis Method -SOP.T.40.090
Analytical Batch -DA009574TER
Instrument Used : Liquid Injection GCMS QP2010
Batch Date : 01/21/20

Reagent	Dilution	Consums. ID
052119.04	10	76124-662 280630187

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

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Pesticides

PASSED

Pesticides	LOD	Action Level	Units	Result
CHLORDANE	0.005	0.1	ppm	ND
CAPTAN	0.05	3	ppm	ND
BOSCALID	0.01	3	PPM	ND
DIMETHOATE	0.01	0.1	ppm	ND
AZOXYSTROBIN	0.01	3	ppm	ND
ABAMECTIN B1A	0.02	0.3	ppm	ND
CIS-PERMETHRIN	0.05	1	ppm	ND
SPINETORAM	0.01	3	PPM	ND
ACEPHATE	0.001	3	ppm	ND
FENOXYCARB	0.01	0.1	ppm	ND
DIMETHOMORPH	0.005	3	ppm	ND
BIFENAZATE	0.01	3	ppm	ND
ETHOPROPHOS	0.01	0.1	ppm	ND
ACEQUINOCYL	0.01	2	ppm	ND
ACETAMIPRID	0.01	3	ppm	ND
ETOFENPROX	0.01	0.1	ppm	ND
BIFENTHRIN	0.01	0.5	ppm	ND
ALDICARB	0.02	0.1	ppm	ND
ETOXAZOLE	0.01	1.5	ppm	ND
FENPYROXIMATE	0.01	2	ppm	ND
FIPRONIL	0.02	0.1	ppm	ND
FENHEXAMID	0.01	3	ppm	ND
CARBARYL	0.01	0.5	ppm	ND
CARBOFURAN	0.01	0.1	ppm	ND
FLONICAMID	0.01	2	ppm	ND
FLUDIOXONIL	0.01	3	ppm	ND
CHLORFENAPYR	0.01	0.1	ppm	ND
CHLORANTRANILIPROLE	0.01	3	ppm	ND
HEXYTHIAZOX	0.01	2	ppm	ND
CHLORPYRIFOS	0.01	0.1	ppm	ND
IMAZALIL	0.01	0.1	ppm	ND
MALATHION	0.01	2	ppm	ND
CLOFENTEZINE	0.01	0.5	ppm	ND
DAMINOZIDE	0.02	0.1	ppm	ND
IMIDACLOPRID	0.01	3	ppm	ND
METALAXYL	0.01	3	ppm	ND
DICHLORVOS	0.05	0.1	ppm	ND
METHIOCARB	0.01	0.1	ppm	ND
COUMAPHOS	0.005	0.1	ppm	ND

Pesticides	LOD	Action Level	Units	Result
METHOMYL	0.01	0.1	ppm	ND
KRESOXIM-METHYL	0.01	1	ppm	ND
DIAZANON	0.01	0.2	ppm	ND
CYPERMETHRIN	0.01	1	ppm	ND
MEVINPHOS	0.01	0.1	ppm	ND
MYCLOBUTANIL	0.01	3	ppm	ND
NALED	0.01	0.5	ppm	ND
OXAMYL	0.01	0.5	ppm	ND
PACLOBUTRAZOL	0.01	0.1	ppm	ND
TRANS-PERMETHRIN	0.05	1	ppm	ND
PHOSMET	0.01	0.2	ppm	ND
PIPERONYL BUTOXIDE	0.01	3	ppm	ND
PRALLETHRIN	0.05	0.4	ppm	ND
PROPICONAZOLE	0.01	1	ppm	ND
PROPOXUR	0.01	0.1	ppm	ND
PYRETHRIN I	0.01	1	ppm	ND
PYRIDABEN	0.01	3	ppm	ND
SPINOSAD (SPINOSYN A)	0.01	3	ppm	ND
SPINOSAD (SPINOSYN D)	0.01	3	ppm	ND
SPIROMESIFEN	0.01	3	ppm	ND
SPIROTETRAMAT	0.02	3	ppm	ND
SPIROXAMINE	0.01	0.1	ppm	ND
TEBUCONAZOLE	0.01	1	ppm	ND
THIACLOPRID	0.01	0.1	ppm	ND
THIAMETHOXAM	0.01	1	ppm	ND
TRIFLOXYSTROBIN	0.01	3	ppm	ND

Pesticides — PASSED

Analyzed by 585 | **Weight** 1.0002g | **Extraction date** 01/21/20 | **Extracted By** 1082

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch - DA009585PES
Instrument Used : LCMS E-SHI-039
Batch Date : 01/21/20

Reagent	Dilution	Consums. ID
101519.04 012120.R14 012120.R15		180711

SOP.T.30.065, SOP.T.40.065

Jorge Segredo
Lab Director

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Ordered : 01/17/20 **Sample Method :** SOP Client Method

Residual Solvents — PASSED

SOLVENT	LOD	ACTION LEVEL (PPM)	PASS/FAIL	RESULT
PROPANE	120	2100	PASS	ND
BUTANES (N-BUTANE)	96	2000	PASS	ND
ETHYLENE OXIDE	0.6	5	PASS	ND
METHANOL	22.5	250	PASS	ND
ETHANOL	90	5000	PASS	3189.010
PENTANES (N-PENTANE)	67.5	750	PASS	ND
ETHYL ETHER	45	500	PASS	ND
ACETONE	67.5	750	PASS	ND
2-PROPANOL	45	500	PASS	ND
ACETONITRILE	5.4	60	PASS	ND
DICHLOROMETHANE	11.25	125	PASS	ND
N-HEXANE	4.5	250	PASS	ND
ETHYL ACETATE	36	400	PASS	ND
BENZENE	0.09	1	PASS	ND
HEPTANE	45	500	PASS	ND
TOLUENE	13.5	150	PASS	ND
CHLOROFORM	0.18	2	PASS	ND
1,2-DICHLOROETHANE	0.18	2	PASS	ND
TRICHLOROETHYLENE	2.25	25	PASS	ND
1,1-DICHLOROETHENE	1	8	PASS	ND
TOTAL XYLENES	13.5	150	PASS	ND

Residual Solvents — PASSED

Analyzed by	Weight	Extraction date	Extracted By
850	0.0266g	01/21/20	584

Analysis Method -SOP.T.40.032
Analytical Batch -DA009588SOL
Instrument Used : Headspace GCMS
Batch Date : 01/21/20

Reagent	Dilution	Consums. ID
	1	00276446 160861-1 24152436

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 34 Residual solvents. (Method: SOP.T.30.042 Residual Solvents Analysis via GC-MS).

Jorge Segredo
Lab Director

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Mycotoxins — PASSED

Analyte	LOD	Result	Action Level (PPM)
AFLATOXIN G2	0.002	ND	
AFLATOXIN G1	0.002	ND	
AFLATOXIN B2	0.002	ND	
AFLATOXIN B1	0.002	ND	
OCHRATOXIN A+	0.002	ND	0.02
TOTAL AFLATOXINS	0.02	ND	0.02

Analysis Method -SOP.T.30.065, SOP.T.40.065
Analytical Batch -DA009586
Instrument Used : LCMS E-SHI-039
Batch Date : 01/21/20

Analyzed by	Weight	Extraction date	Extracted By
585	1g	NA	NA

Microbials — PASSED

Analyte	LOD	Result
ASPERGILLUS_FLAVUS	10000	not present in 1 gram.
ASPERGILLUS_FUMIGATUS	10000	not present in 1 gram.
ASPERGILLUS_NIGER	10000	not present in 1 gram.
ASPERGILLUS_TERREUS	10000	not present in 1 gram.
ESCHERICHIA_COLI_SHIGELLA_SPP	10000	not present in 1 gram.
SALMONELLA_SPECIFIC_GENE	10000	not present in 1 gram.

Analysis Method -SOP.T.40.043
Analytical Batch -DA009554MIC
Instrument Used : PathogenDX PCR_Array Scanner
Batch Date : 01/21/20

Analyzed by	Weight	Extraction date	Extracted By
513	1.1042g	01/21/20	513

Heavy Metals — PASSED

Reagent	Dilution	Consums. ID
011720.R08	50	
011620.R12		
012120.R03		
012120.R04		
011520.R01		
011620.R01		
010220.R04		
111319.01		

Metal	LOD	Result	Action Level (PPM)
ARSENIC	0.01	ND	1.5
CADMIUM	0.01	ND	0.5
LEAD	0.01	ND	0.5
MERCURY	0.01	ND	3

Analyzed by	Weight	Extraction date	Extracted By
396	0.2531g	01/21/20	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA009552HEA
Instrument Used : ICPMS-2030
Batch Date : 01/21/20

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

01/23/2020
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