4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 3000 MG CBD & TERPENES BLUEBERRY OG
N/A
Matrix: Derivative

Certificate of Analysis

Sample:DA00417006-006
Harvest/Lot ID: D01W01
Seed to Sale #N/A
Batch Date :N/A
Batch#: BMR0105/20
Sample Size Received: 34.8 gram
Retail Product Size: 34.8
Ordered : 04/14/20
Sampled : 04/14/20
Completed: 04/23/20 Expires: 04/23/21
Sampling Method: SOP Client Method

Apr 23, 2020 | Green Roads

601 Fairway Drive Deerfield Beach
Florida, United States 33441

GREEN ROADS™

PASSED

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

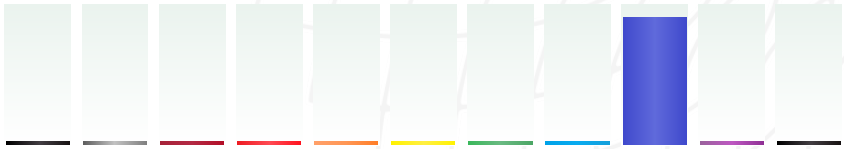
Pesticides	Heavy Metals	Microbials	Mycotoxins	Residuals Solvents	Filth	Water Activity	Moisture	Terpenes
PASSED	PASSED	PASSED	PASSED	PASSED	PASSED	NOT TESTED	NOT TESTED	TESTED

CANNABINOID RESULTS

Total THC
0.000%
THC/Container :0.000 mg

Total CBD
8.913%
CBD/Container :3101.724 mg

Total Cannabinoids
8.940%
Total Cannabinoids/Container :3111.120 mg



	CBC	CBGA	CBG	THCV	D8-THC	CBDV	CBN	CBDA	CBD	D9-THC	THCA
	ND	ND	ND	ND	ND	0.027%	ND	ND	8.913%	ND	ND
	ND	ND	ND	ND	ND	0.270 mg/g	ND	ND	89.130 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	3.0048g	NA	NA

Analysis Method -SOP.T.40.020, SOP.T.30.050 **Reviewed On -** 04/22/20 15:39:07
Analytical Batch -DA011837POT **Instrument Used :** DA-LC-003 **Batch Date :** 04/21/20 11:36:57

Reagent	Dilution	Consums. ID
042120.R21 042120.R20	400	

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	04/17/20		584

Analysis Method -SOP.T.40.013 **Batch Date :** 04/17/20 13:00:30
Analytical Batch -DA011758FIL **Reviewed On -** 04/17/20 13:02:50
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

04/23/2020
Signed On

4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 3000 MG CBD & TERPENES BLUEBERRY OG
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00417006-006
Harvest/LOT ID: D01W01
Batch# : BMR0105/20
Sampled : 04/14/20
Ordered : 04/14/20
Sample Size Received : 34.8 gram
Completed : 04/23/20 **Expires:** 04/23/21
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	%	0.025
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	%	0.101
LIMONENE	0.007	%	ND
GUAIOL	0.007	%	ND
GERANYL ACETATE	0.007	%	ND
GERANIOL	0.007	%	ND
GAMMA-TERPINENE	0.007	%	0.119
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 0.246

Terpenes

TESTED

Analyzed by	Weight	Extraction date	Extracted By
1351	0.9830g	04/17/20 01:04:15	1351

Analysis Method - SOP.T.40.090
Analytical Batch - DA011754TER
Reviewed On - 04/20/20 09:36:40
Instrument Used : DA-GCMS-005
Batch Date : 04/17/20 12:02:08

Reagent	Dilution	Consums. ID
030620.05	10	180111
030620.08		280678841
040720.08		11328402
012120.R13		

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

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Signed On

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GRW 3000 MG CBD & TERPENES BLUEBERRY OG
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00417006-006
Harvest/LOT ID: D01W01
Batch# : BMR0105/20
Sampled : 04/14/20
Ordered : 04/14/20
Sample Size Received : 34.8 gram
Completed : 04/23/20 **Expires:** 04/23/21
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

Pesticides — PASSED

Analyzed by
585 , 56

Weight
1.0010g

Extraction date
04/17/20 01:04:15

Extracted By
585 ,

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 - DA011743PES , DA011765
Reviewed On- 04/17/20 13:02:50
Instrument Used : DA-LCMS-001_DER (PES)
Batch Date : 04/17/20 09:36:16

Reagent	Dilution	Consums. ID
020720.09 041620.R12 041620.R13 041320.R34 111819.03		180111 280678841

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

Signature

04/23/2020
Signed On

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GRW 3000 MG CBD & TERPENES BLUEBERRY OG
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00417006-006
Harvest/LOT ID: D01W01
Batch# : BMR0105/20
Sampled : 04/14/20
Ordered : 04/14/20
Sample Size Received : 34.8 gram
Completed : 04/23/20 **Expires:** 04/23/21
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	5000	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	0.0216g	04/17/20 02:04:48	850

Analysis Method -SOP.T.40.032
Analytical Batch -DA011761SOL **Reviewed On - 04/20/20 14:45:24**
Instrument Used : DA-GCMS-002
Batch Date : 04/17/20 14:28:53

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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Signature

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kaycha LABS
4131 SW 47th AVENUE SUITE 1408

Kaycha Labs

GRW 3000 MG CBD & TERPENES BLUEBERRY OG
N/A
Matrix : Derivative

Certificate of Analysis

PASSED

Green Roads

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

Sample : DA00417006-006
Harvest/LOT ID: D01W01
Batch# : BMR0105/20
Sampled : 04/14/20
Ordered : 04/14/20
Sample Size Received : 34.8 gram
Completed : 04/23/20 **Expires:** 04/23/21
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 -DA011744MYC | **Reviewed On -** 04/19/20 21:49:46
Instrument Used : DA-LCMS-001_DER (MYC)
Batch Date : 04/17/20 09:37:22

Analyzed by	Weight	Extraction date	Extracted By
585	1g	04/17/20 04:04:39	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	Consums. ID
013120.80	181207119C
022120.40	918C4-918J
022120.179	914C4-914AK
022120.42	929C6-929H
013120.376	50AX26219
121719.91	19323
022120.224	23819111
022120.293	190611634
022120.191	
013120.383	
032720.110	
022120.192	
032720.158	
022120.154	
022120.156	

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	<100

Analysis Method -SOP.T.40.043
Analytical Batch -DA011741MIC | **Reviewed On -** 04/20/20 18:08:30
Instrument Used : PathogenDX PCR_Array Scanner DA-111,PathogenDX PCR_DA-171
Batch Date : 04/17/20 09:34:16

Analyzed by	Weight	Extraction date	Extracted By
513	1.0431g	04/17/20 10:04:41	1082

Reagent	Dilution	Consums. ID
022520.06		181019-274

Heavy Metals — PASSED

Reagent	Reagent	Dilution	Consums. ID
040720.R10	041320.R02	50	106557-04-091619
041720.R01	041320.R01		
111319.05	041320.R29		
041320.R05			
041320.R04			
041320.R03			

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	0.2670g	04/17/20 10:04:14	457

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch -DA011737HEA | **Reviewed On -** 04/20/20 08:20:56
Instrument Used : DA-ICPMS-002
Batch Date : 04/17/20 08:41:18

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

04/23/2020
Signed On