



Certificate of Analysis

Sample: KN20419008-006
Harvest/Lot ID: D14Y01
Batch#: BMR0112/GRW0124
Seed to Sale# N/A
Batch Date: 02/10/22

Sample Size Received: 17.40 gram
Total Weight/Volume: N/A
Retail Product Size: 17.40 gram
ordered : 04/15/22
sampled : 04/15/22
Completed: 04/22/22
Sampling Method: SOP Client Method

Apr 22, 2022 | Green Roads
5150 SW 48TH WAY
Davie, FL, 33314, US

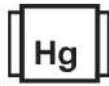


PASSED
Page 1 of 5

PRODUCT IMAGE SAFETY RESULTS



Pesticides
PASSED



Heavy Metals
PASSED



Microbials
PASSED



Mycotoxins
PASSED



Residuals Solvents
PASSED



Filtration
PASSED



Water Activity
NOT TESTED



Moisture
NOT TESTED



Terpenes
TESTED

MISC.



Cannabinoid

PASSED



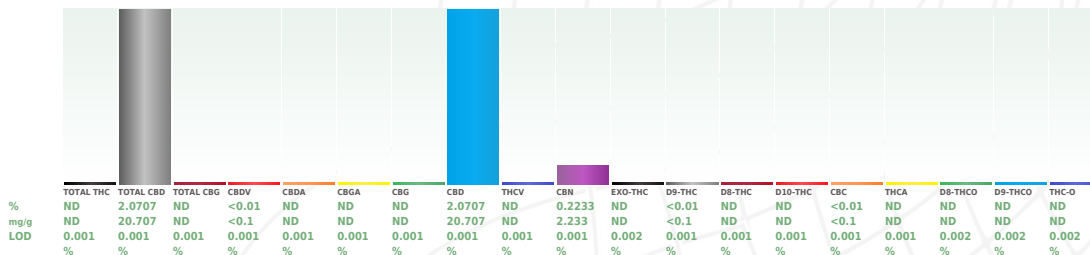
CBN
0.2233%
CBN/Bottle : 38.854 mg



Total CBD
2.0707%
Total CBD/Bottle : 360.302 mg



Total Cannabinoids
2.294%
Total Cannabinoids/Bottle : 399.156 mg



Filtration

PASSED

Analyte	LOD	Units	Result	P/F	Action Level
Filtration and Foreign Material	0.3	detect/g	ND	Pass	3

Analyzed By: 1
 Weight: 0.56g
 Extraction date: 04/19/22
 Extracted By: 1592
 Analysis Method: -SOP.T.40.013
 Batch Date: 04/19/22 09:08:21
 Analytical Batch: -KN002283FIL
 Reviewed On: 04/19/22 09:38:05
 Instrument Used: E-AMS-138 Microscope
 Running On:

This includes but is not limited to hair, insects, feces, packaging contaminants, and manufacturing waste and by-products. A SW-2113 Stereo Microscope is used for inspection.

Cannabinoid Profile Test

Analyzed by	Weight	Extraction date	Extracted By
1	0.215g	04/20/22 12:04:21	113

Analysis Method -Expanded Measurement of Uncertainty: Flower Matrix d9-THC:12.7%, THCA: 9.5%, TOTAL THC 11. 1%. These uncertainties represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor k=2 for a normal distribution.
 Analytical Batch -KN002285POT Instrument Used : HPLC E-SHI-008 Running On :
 Dilution : 40
 Reagent : 081321.R04; 041522.R01; 040622.R04
 Consumables : 947.271; 12123-046CC-046
 Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/PDA detection (HPLC-UV/PDA). (Method: SOP.T.30.031.TN for sample prep and Shimadzu High Sensitivity Method SOP.T.40.031 for analysis.). *Based on FL action limits.

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Sue Ferguson

Lab Director

State License # n/a
ISO Accreditation # 17025:2017

Sue Ferguson
Signature

04/22/22

Signed On



Certificate of Analysis

PASSED

Green Roads

5150 SW 48TH WAY
Davie, FL, 33314, US
Telephone: (844) 747-3367
Email: LAURA@GREENROADSWORLD.COM

Sample : KN20419008-006
Harvest/Lot ID: D14Y01

Batch# : BMR0112/GRW0124
Sampled : 04/15/22
Odered : 04/15/22

Sample Size Received : 17.40 gram
Total Weight/Volume : N/A
Completed : 04/22/22 Expires: 04/22/23
Sample Method : SOP Client Method

Page 2 of 5



Terpenes

TESTED

Terpenes	LOD (%)	mg/g	%	Result (%)
TRANS-CARYOPHYLLENE	0.007	ND	ND	
GUAIAOL	0.007	ND	ND	
LIMONENE	0.007	ND	ND	
LINALOOL	0.007	ND	ND	
NEROL	0.007	ND	ND	
OCIMENE	0.007	ND	ND	
ALPHA-PHELLANDRENE	0.007	ND	ND	
PULEGONE	0.007	ND	ND	
SABINENE	0.007	ND	ND	
SABINENE HYDRATE	0.007	ND	ND	
TERPINEOL	0.007	ND	ND	
TERPINOLENE	0.007	ND	ND	
GERANYL ACETATE	0.007	ND	ND	
TRANS-NEROLIDOL	0.007	ND	ND	
VALENCENE	0.007	ND	ND	
ISOPULEGOL	0.007	ND	ND	
ALPHA-HUMULENE	0.007	ND	ND	
ALPHA-PINENE	0.007	ND	ND	
ALPHA-TERPINENE	0.007	ND	ND	
BETA-MYRCENE	0.007	ND	ND	
BETA-PINENE	0.007	ND	ND	
BORNEOL	0.013	ND	ND	
CAMPHENE	0.007	ND	ND	
CAMPHOR	0.013	ND	ND	
CARYOPHYLLENE OXIDE	0.007	ND	ND	
CEDROL	0.007	ND	ND	
ALPHA-BISABOLOL	0.007	ND	ND	
ALPHA-CEDRENE	0.007	ND	ND	
CIS-NEROLIDOL	0.007	ND	ND	
3-CARENE	0.007	ND	ND	
FENCHYL ALCOHOL	0.007	ND	ND	

Terpenes	LOD (%)	mg/g	%	Result (%)
HEXAHYDROTHYMOL	0.007	ND	ND	
EUCALYPTOL	0.007	ND	ND	
ISOBORNEOL	0.007	ND	ND	
FARNESENE	0.007	ND	ND	
FENCHONE	0.007	ND	ND	
GAMMA-TERPINENE	0.007	ND	ND	
GERANIOL	0.007	ND	ND	



Terpenes

TESTED

Analyzed by 1 Weight 1.0262g Extraction date 04/19/22 03:04:29 Extracted By 138
Analysis Method - SOP.T.40.090
Analytical Batch - KN002286TER
Instrument Used : E-SHI-109 Terpenes
Running On :
Batch Date : 04/19/22 10:49:54

Reviewed On - 04/22/22 22:23:54

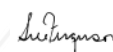
Dilution : 10
Reagent :
Consumables :
 Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometer) which can screen 38 terpenes using Method SOP.T.40.090 Terpenoid Analysis Via GC-MS. Analytes ISO Pending

Total (%) 0

Sue Ferguson

Lab Director

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Email: LAURA@GREENROADSWORLD.COM

Sample : KN20419008-006
Harvest/Lot ID: D14Y01

Batch# : BMR0112/GRW0124
Sampled : 04/15/22
Odered : 04/15/22

Sample Size Received : 17.40 gram
Total Weight/Volume : N/A
Completed : 04/22/22 Expires: 04/22/23
Sample Method : SOP Client Method

Page 3 of 5



Pesticides

PASSED

Pesticides	LOD	Units	Action Level	Pass/Fail	Result	Pesticides	LOD	Units	Action Level	Pass/Fail	Result
ABAMECTIN B1A	0.01	ppm	0.3	PASS	ND	PIPERONYL BUTOXIDE	0.01	ppm	3	PASS	ND
ACEPHATE	0.01	ppm	3	PASS	ND	PRALLETHRIN	0.01	ppm	0.4	PASS	ND
ACEQUINOCYL	0.01	ppm	2	PASS	ND	PROPICONAZOLE	0.01	ppm	1	PASS	ND
ACETAMIPRID	0.01	ppm	3	PASS	ND	PROPOXUR	0.01	ppm	0.1	PASS	ND
ALDICARB	0.01	ppm	0.1	PASS	ND	PYRETHRINS	0.01	ppm	1	PASS	ND
AZOXYSTROBIN	0.01	ppm	3	PASS	ND	PYRIDABEN	0.01	ppm	3	PASS	ND
BIFENAZATE	0.01	ppm	3	PASS	ND	SPINETORAM	0.01	ppm	3	PASS	ND
BIFENTHRIN	0.01	ppm	0.5	PASS	ND	SPIROMESIFEN	0.01	ppm	3	PASS	ND
BOSCALID	0.01	ppm	3	PASS	ND	SPIROTETRAMAT	0.01	ppm	3	PASS	ND
CARBARYL	0.01	ppm	0.5	PASS	ND	SPIROXAMINE	0.01	ppm	0.1	PASS	ND
CARBOFURAN	0.01	ppm	0.1	PASS	ND	TEBUCONAZOLE	0.01	ppm	1	PASS	ND
CHLORANTRANILIPROLE	0.01	ppm	3	PASS	ND	THIACLOPRID	0.01	ppm	0.1	PASS	ND
CHLORMEQUAT CHLORIDE	0.01	ppm	3	PASS	ND	THIAMETHOXAM	0.01	ppm	1	PASS	ND
CHLORPYRIFOS	0.01	ppm	0.1	PASS	ND	TOTAL SPINOSAD	0.01	ppm	3	PASS	ND
CLOFENTEZINE	0.01	ppm	0.5	PASS	ND	TRIFLOXYSTROBIN	0.01	ppm	3	PASS	ND
COUMAPHOS	0.01	ppm	0.1	PASS	ND						
CYPERMETHRIN	0.01	ppm	1	PASS	ND						
DAMINOZIDE	0.01	ppm	0.1	PASS	ND						
DIAZANON	0.01	ppm	0.2	PASS	ND						
DICHLORVOS	0.01	ppm	0.1	PASS	ND						
DIMETHOATE	0.01	ppm	0.1	PASS	ND						
DIMETHOMORPH	0.01	ppm	3	PASS	ND						
ETHOPROPHOS	0.01	ppm	0.1	PASS	ND						
ETOFENPROX	0.01	ppm	0.1	PASS	ND						
ETOXAZOLE	0.01	ppm	1.5	PASS	ND						
FENHEXAMID	0.01	ppm	3	PASS	ND						
FENOXYCARB	0.01	ppm	0.1	PASS	ND						
FENPYROXIMATE	0.01	ppm	2	PASS	ND						
FIPRONIL	0.01	ppm	0.1	PASS	ND						
FLONICAMID	0.01	ppm	2	PASS	ND						
FLUDIOXONIL	0.01	ppm	3	PASS	ND						
HEXYTHIAZOX	0.01	ppm	2	PASS	ND						
IMAZALIL	0.01	ppm	0.1	PASS	ND						
IMIDACLOPRID	0.01	ppm	3	PASS	ND						
KRESOXIM-METHYL	0.01	ppm	1	PASS	ND						
MALATHION	0.01	ppm	2	PASS	ND						
METALAXYL	0.01	ppm	3	PASS	ND						
METHIOCARB	0.01	ppm	0.1	PASS	ND						
METHOMYL	0.01	ppm	0.1	PASS	ND						
MEVINPHOS	0.01	ppm	0.1	PASS	ND						
MYCLOBUTANIL	0.01	ppm	3	PASS	ND						
NALED	0.01	ppm	0.5	PASS	ND						
OXAMYL	0.01	ppm	0.5	PASS	ND						
PACLOBUTRAZOL	0.01	ppm	0.1	PASS	ND						
PERMETHRINS	0.01	ppm	1	PASS	ND						
PHOSMET	0.01	ppm	0.2	PASS	ND						



Pesticides

PASSED

Analysis Method - SOP.T.30.060, SOP.T.40.060
Analytical Batch - KN002291PES
Instrument Used : E-SHI-125 Pesticides
Running on :
Analyzed by: 12 **Weight:** 8g **Extraction date:** **Extracted by:**

Dilution : 1
Reagent :
Consumables :

Pesticide analysis is performed using LC-MSMS which can quantify down to below single digit ppb concentrations for regulated Pesticides. Currently we analyze for 61 Pesticides. (Methods: SOP.T.30.065 Sample Preparation for Pesticides Analysis via LCMSMS and SOP.T40.065 Procedure for Pesticide Quantification Using LCMSMS). *Based on FL action limits. *

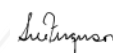
Analysis Method - SOP.T.30.060, SOP.T.40.060
Analytical Batch -
Instrument Used :
Running on :
Analyzed by: **Weight:** g **Extraction date:** **Extracted by:**

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Sue Ferguson

Lab Director

State License # n/a
ISO Accreditation # 17025:2017



Signature

04/22/22

Signed On



Certificate of Analysis

PASSED

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 Email: LAURA@GREENROADSWORLD.COM

 Sample : KN20419008-006
 Harvest/Lot ID: D14Y01

 Batch# : BMR0112/GRW0124
 Sampled : 04/15/22
 Ordered : 04/15/22

 Sample Size Received : 17.40 gram
 Total Weight/Volume : N/A
 Completed : 04/22/22 Expires: 04/22/23
 Sample Method : SOP Client Method

Page 4 of 5



Residual Solvents

PASSED

Solvent	LOD	Units	Action Level	Pass/Fail	Result
PROPANE	500	ppm	2100	PASS	ND
BUTANES (N-BUTANE)	500	ppm	2000	PASS	ND
METHANOL	25	ppm	3000	PASS	ND
ETHYLENE OXIDE	0.5	ppm	5	PASS	ND
PENTANES (N-PENTANE)	75	ppm	5000	PASS	ND
ETHANOL	500	ppm	5000	PASS	ND
ETHYL ETHER	50	ppm	5000	PASS	ND
1,1-DICHLOROETHENE	0.8	ppm	8	PASS	ND
ACETONE	75	ppm	5000	PASS	ND
2-PROPANOL	50	ppm	500	PASS	ND
ACETONITRILE	6	ppm	410	PASS	ND
DICHLOROMETHANE	12.5	ppm	600	PASS	ND
N-HEXANE	25	ppm	290	PASS	ND
ETHYL ACETATE	40	ppm	5000	PASS	ND
CHLOROFORM	0.2	ppm	60	PASS	ND
BENZENE	0.1	ppm	2	PASS	ND
1,2-DICHLOROETHANE	0.2	ppm	5	PASS	ND
HEPTANE	500	ppm	5000	PASS	ND
TRICHLOROETHYLENE	2.5	ppm	80	PASS	ND
TOLUENE	15	ppm	890	PASS	ND
TOTAL XYLENES - M, P & O - DIMETHYLBENZENE	15	ppm	2170	PASS	ND



Residual Solvents

PASSED

Analyzed by 138	Weight 0.02881g	Extraction date 04/20/22 12:04:08	Extracted By 138
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Analysis Method -SOP.T.40.032

Analytical Batch -KN002280SOL

Instrument Used : E-SHI-106 Residual Solvents

Running On :

Batch Date : 04/19/22 08:37:29

Reviewed On - 04/22/22 22:23:38

Dilution : 1

Reagent :

Consumables :

Residual solvents screening is performed using GC-MS which can detect below single digit ppm concentrations. Currently we analyze for 22 residual solvents. (Method: SOP.T.40.032 Residual Solvents Analysis via GC-MS). Analytes ISO pending. *Based on FL action limits.



Certificate of Analysis

PASSED

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Davie, FL, 33314, US
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Email: LAURA@GREENROADSWORLD.COM

Sample : KN20419008-006
Harvest/Lot ID: D14Y01

Batch# : BMR0112/GRW0124
Sampled : 04/15/22
Odered : 04/15/22

Sample Size Received : 17.40 gram
Total Weight/Volume : N/A
Completed : 04/22/22 Expires: 04/22/23
Sample Method : SOP Client Method

Page 5 of 5

	Microbials	PASSED		Mycotoxins	PASSED
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Analyte	LOD	Result	Pass / Fail	Action Level
LISTERIA MONOCYTOGENE	2000	ND	PASS	2000
ESCHERICHIA COLI SHIGELLA SPP	1726	ND	PASS	1726
SALMONELLA SPECIFIC GENE	10000	ND	PASS	10000
ASPERGILLUS FLAVUS	10000	ND	PASS	10000
ASPERGILLUS FUMIGATUS	10000	ND	PASS	10000
ASPERGILLUS NIGER	10000	ND	PASS	10000
ASPERGILLUS TERREUS	10000	ND	PASS	10000
TOTAL YEAST AND MOLD	10	<10	PASS	100000

Analysis Method - SOP.T.40.043
Analytical Batch - KN002281MIC
Instrument Used : Micro E-HEW-069
Running on :

Reviewed On : 04/22/22 22:23:24
Batch Date : 04/19/22 08:47:28

Analyzed by: **1692** Weight: 1.022g Extraction date: 04/19/22 09:04:38 Extracted by: 1692

Dilution : 1
Reagent : 030121.01; 121721.06; 122021.01
Consumables :

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.

Analysis Method - SOP.T.40.043
Analytical Batch - KN002282TYM
Instrument Used : E-HEW-069
Running on :

Reviewed On : 04/21/22 10:28:28
Batch Date : 04/19/22 09:06:13

Analyzed by: **1** Weight: 1.022g Extraction date: 04/19/22 09:04:42 Extracted by: 1692

Dilution : 1
Reagent : 030121.01
Consumables :

Total yeast and mold testing is performed utilizing MPN and traditional culture based techniques in accordance with F.S. Rule 64ER20-39.

Analyte	LOD	Units	Result	Pass / Fail	Action Level
AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02

Analysis Method -SOP.T.30.060, SOP.T.40.060

Analytical Batch -KN002292MYC | Reviewed On - 04/22/22 07:42:34

Instrument Used :

Running On : | Batch Date : 04/20/22 10:24:21

Analyzed by: **12** Weight: 8g Extraction date: NA Extracted By: NA

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS. LOQ 1.0 ppb). Total Aflatoxins (Aflatoxin B1, B2, G1, G2) must be <20µg/Kg. Ochratoxins must be <20µg/Kg. Analytes ISO pending. *Based on FL action limits.

	Heavy Metals	PASSED
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Metal	LOD	Unit	Result	Pass / Fail	Action Level
ARSENIC-AS	0.02	ppm	ND	PASS	1.5
CADMIUM-CD	0.02	ppm	ND	PASS	0.5
MERCURY-HG	0.02	ppm	ND	PASS	3
LEAD-PB	0.02	ppm	ND	PASS	0.5

Analyzed by: **1** Weight: 8g Extraction date: NA Extracted By: NA

Analysis Method -SOP.T.40.050, SOP.T.30.052

Analytical Batch -KN002284HEA | Reviewed On - 04/20/22 07:54:56

Instrument Used : Metals ICP/MS

Running On : | Batch Date : 04/19/22 10:24:12

Dilution : 1
Reagent :

Consumables :
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.