



# Certificate of Analysis

Mar 10, 2022 | Green Roads  
5150 SW 48TH WAY  
Davie, FL, 33314, US



Sample:KN20307004-002

Harvest/Lot ID: B15Y01

Batch#: BMR0050/GRW0028

Seed to Sale# N/A

Batch Date: 02/15/22

Sample Size Received: 34.8 gram

Total Weight/Volume: N/A

Retail Product Size: 34.8 gram

ordered : 03/03/22

sampled : 03/03/22

Completed: 03/10/22 Expires: 03/10/23

Sampling Method: SOP Client Method

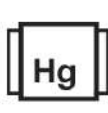
**PASSED**

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 RESULTS



Total THC

**ND**

Total THC/Bottle : 0 mg



Total CBD

**2.362%**

Total CBD/Bottle : 821.976 mg



Total Cannabinoids

**2.515%**

Total Cannabinoids/Bottle : 875.22 mg

	TOTAL THC	TOTAL CBD	TOTAL CBG	CBGV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBG	THCA	D8-THCO	D9-THCO	THC-O
%	ND	2.362	0.143	<0.01	ND	ND	0.143	2.362	ND	ND	ND	<0.01	ND	ND	0.01	ND	ND	ND	ND
mg/g	ND	23.62	1.43	<0.1	ND	ND	1.43	23.62	ND	ND	ND	<0.1	ND	ND	0.1	ND	ND	ND	ND
LOD	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002	0.001	0.001	0.001	0.001	0.001	0.002	0.002	0.002
%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

**Filtration PASSED**

Analyzed By	Weight	Extraction date	Extracted By
1692	0.5793g	03/07/22	1692
Analyte	LOD	Pass/Fail	Result
Filtration and Foreign Material	0.3	Pass	ND
Analysis Method - SOP.T.40.013	Batch Date : 03/04/22 13:27:07		
Analytical Batch - KN002051FIL	Reviewed On - 03/07/22 08:25:00		
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-2T13 Stereo Microscope is used for inspection.

## Cannabinoid Profile Test

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2017g	03/07/22 03:03:56	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.			
Reviewed On - 03/08/22 16:03:29 Batch Date : 03/07/22 12:54:09			
Analytical Batch - KN002063POT Instrument Used : HPLC E-SHI-008 Running On :			

## Reagent Dilution Consumables ID

081321.R04  
030222.R01

030222.R02

40947.251  
12123-046CC-046

Full spectrum cannabinoid analysis utilizing High Performance Liquid Chromatography with UV/MS detection (HPLC-UV/MS). (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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds for human safety for consumption and/or inhalation. The result >99% are variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

**Sue Ferguson**  
Lab Director

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

*Sue Ferguson*  
Signature

03/10/22

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 : KN20307004-002  
 Harvest/Lot ID: B15Y01

 Batch# : BMR0050/GRW0028  
 Sampled : 03/03/22  
 Ordered : 03/03/22

 Sample Size Received : 34.8 gram  
 Total Weight/Volume : N/A  
 Completed : 03/10/22 Expires: 03/10/23  
 Sample Method : SOP Client Method

Page 2 of 5



## Terpenes

**TESTED**

Terpenes	LOD(%) mg/g	%
TRANS-CARYOPHYLLENE	0.007 ND	ND
GUAIOL	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 1.11	0.111
ALPHA-CEDRENE	0.007 ND	ND
CIS-NEROLIDOL	0.007 ND	ND
3-CARENE	0.007 ND	ND
FENCHYL ALCOHOL	0.007 ND	ND

Result (%)

Terpenes	LOD(%) mg/g	%
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

Result (%)



## Terpenes

**TESTED**

Analyzed by 138 Weight 1.0215g Extraction date 03/09/22 10:03:23 Extracted By 138

 Analysis Method - SOP.T.40.090  
 Analytical Batch - KN002073TER  
 Instrument Used : E-SHI-109 Terpenes  
 Running On :  
 Batch Date : 03/09/22 08:53:36

Reviewed On - 03/10/22 18:36:39

 Reagent Dilution Consums. ID  
 10

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 (%) 0.111



# Certificate of Analysis

**PASSED**

Green Roads



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

 Sample : KN20307004-002  
 Harvest/Lot ID: B15Y01

 Batch# : BMR0050/GRW0028  
 Sampled : 03/03/22  
 Ordered : 03/03/22

 Sample Size Received : 34.8 gram  
 Total Weight/Volume : N/A  
 Completed : 03/10/22 Expires: 03/10/23  
 Sample Method : SOP Client Method

Page 3 of 5

<div>  <b>Pesticides</b> </div>						<div>  <b>Pesticides</b> </div>					
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
CLOFENTZINE	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						
NALEB	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						

<b>Analyzed by</b> 143 <b>Analysis Method -</b> SOP.T.30.060, SOP.T.40.060, <b>Analytical Batch -</b> KN002058PES	<b>Weight</b> 0.5217g <b>Extraction date</b> 03/07/22 11:03:44	<b>Extracted By</b> 143 <b>Reviewed On -</b> 03/07/22 08:25:00
<b>Instrument Used :</b> E-SHI-125 Pesticides <b>Running On :</b> 03/07/22 11:41:29	<b>Reagent</b> 020322.R13 110521.03 022322.R02 030222.R19 022822.R01 020922.R08	<b>Consumables ID</b> 210419634 947.251
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. *		





# Certificate of Analysis

**PASSED**

Green Roads

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

 Sample : KN20307004-002  
 Harvest/Lot ID: B15Y01

 Batch# : BMR0050/GRW0028  
 Sampled : 03/03/22  
 Ordered : 03/03/22

 Sample Size Received : 34.8 gram  
 Total Weight/Volume : N/A  
 Completed : 03/10/22 Expires: 03/10/23  
 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	980.918
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 0.02962g	Extraction date 03/07/22 04:03:30	Extracted By 138
--------------------	--------------------	--------------------------------------	---------------------

Analysis Method -SOP.T.40.032

Analytical Batch -KN002060SOL

Reviewed On - 03/09/22 09:58:25

Instrument Used : E-SHI-106 Residual Solvents

Running On :

Batch Date : 03/07/22 10:30:12

Reagent	Dilution	Consumables ID
	1	

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**

Green Roads

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

 Sample : KN20307004-002  
 Harvest/Lot ID: B15Y01

 Batch# : BMR0050/GRW0028  
 Sampled : 03/03/22  
 Ordered : 03/03/22

 Sample Size Received : 34.8 gram  
 Total Weight/Volume : N/A  
 Completed : 03/10/22 Expires: 03/10/23  
 Sample Method : SOP Client Method

Page 5 of 5

	<b>Microbials</b>	<b>PASSED</b>
		

Analyte	LOD	Result	Pass / Fail
LISTERIA MONOCYTOGENE	2000	not present in 1 gram.	PASS
ESCHERICHIA COLI SHIGELLA SPP	1726	not present in 1 gram.	PASS
SALMONELLA SPECIFIC GENE	10000	not present in 1 gram.	PASS
ASPERGILLUS FLAVUS	10000	not present in 1 gram.	PASS
ASPERGILLUS FUMIGATUS	10000	not present in 1 gram.	PASS
ASPERGILLUS NIGER	10000	not present in 1 gram.	PASS
ASPERGILLUS TERREUS	10000	not present in 1 gram.	PASS
TOTAL YEAST AND MOLD	10	<10	PASS

Analysis Method -SOP.T.40.043

Analytical Batch -KN002054MIC , KN002056TYM Batch Date : 03/07/22 08:11:22, 03/07/22 08:28:58

Instrument Used : Micro E-HEW-069, E-HEW-069

Running On :

Analyzed by	Weight	Extraction date	Extracted By
1692, 1	1.0031g	03/07/22 08:03:24	1692, 1692

Reagent	Dilution
021522.01	1
030121.01	
121721.03	

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.

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	

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

Analytical Batch -KN002059MYC | Reviewed On - 03/07/22 16:41:33

Instrument Used : E-SHI-125 Mycotoxins

Running On : 03/07/22 11:46:42 | Batch Date : 03/07/22 09:54:04

Analyzed by	Weight	Extraction date	Extracted By
143	0.5217g	03/07/22 11:03:38	143

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T.40.060 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.

	<b>Heavy Metals</b>	<b>PASSED</b>
---	---------------------	---------------

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	Weight	Extraction date	Extracted By
1	30g	NA	NA

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

Analytical Batch -KN002062HEA | Reviewed On - 03/10/22 11:35:20

Instrument Used : Metals ICP/MS

Running On : | Batch Date : 03/07/22 11:10:12

Reagent	Dilution	Consums. ID
011022.R08	1	107702-05-081520
020422.R07		12235-110CD-110C
011022.R07		

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.