



# Certificate of Analysis

Sample: KN20511007-001

Harvest/Lot ID: 2212102

Batch#: 2212102

Seed to Sale# N/A

Batch Date: N/A

Sample Size Received: 30 gram

Total Weight/Volume: N/A

Retail Product Size: 3.4 gram

ordered : 05/09/22

sampled : 05/09/22

Completed: 05/26/22

Sampling Method: SOP Client Method

**PASSED**

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May 26, 2022 | Green Roads

5150 SW 48TH WAY  
Davie, FL, 33314, US



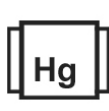
## PRODUCT IMAGE



## SAFETY RESULTS



Pesticides  
**PASSED**



Heavy Metals  
**PASSED**



Microbials  
**PASSED**



Mycotoxins  
**PASSED**



Residuals Solvents  
**PASSED**



Filtration  
**PASSED**



Water Activity  
**NOT TESTED**



Moisture  
**NOT TESTED**



Terpenes  
**NOT TESTED**

## MISC.



**Cannabinoid**

**PASSED**



**Total THC**  
**ND**



**Total CBD**  
**0.6535%**



**Total Cannabinoids**  
**0.6535%**

	TOTAL CAN	CBDV	CBDA	CBGA	CBG	CBD	THCV	CBN	EXO-THC	D9-THC	D8-THC	D10-THC	CBC	THCA	D8-THCO	D9-THCO	THC-O
%	0.6535	<0.01	ND	ND	ND	0.6535	ND	ND	ND	<0.01	<0.01	ND	ND	ND	ND	ND	ND
mg/g	6.535	<0.1	ND	ND	ND	6.535	ND	ND	ND	<0.1	<0.1	ND	ND	ND	ND	ND	ND
LOD	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
%		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%

Analyzed by	Weight	Extraction date :	Extracted By :
113	0.2122g	05/12/22 10:03:59	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 - 05/12/22 17:20:15		Batch Date : 05/11/22 09:39:49	
Analytical Batch -KN002401POT		Instrument Used : HPLC E-SHI-008	
Running On :			

Dilution : 40  
Reagent : 081321.R04; 050922.R01; 050922.R02  
Consumables : 947B9291.271; 200331059  
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.40.020 for analysis.). \*Based on FL action limits.

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Revision: #1 This revision supersedes any and all previous versions of this document.

**Sue Ferguson**

Lab Director

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

*Sue Ferguson*  
Signature

05/26/22

Signed On



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

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 Harvest/Lot ID: 2212102

 Batch# : 2212102  
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 Total Weight/Volume : N/A  
 Completed : 05/26/22 Expires: 05/26/23  
 Sample Method : SOP Client Method

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## Pesticides

**PASSED**

Pesticide	LOD	Units	Action Level	Pass/Fail	Result	Pesticide	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						
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 -KN002460PES

Instrument Used :E-SHI-125 Pesticides

Running on :

Reviewed On :05/26/22 09:49:36

Batch Date :05/26/22 09:42:45

 Analyzed by:  
1, 12

 Weight:  
28g

 Extraction date:  
NA

 Extracted by:  
NA

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.



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 Davie, FL, 33314, US  
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 Sample : KN20511007-001  
 Harvest/Lot ID: 2212102

 Batch# : 2212102  
 Sampled : 05/09/22  
 Ordered : 05/09/22

 Sample Size Received : 30 gram  
 Total Weight/Volume : N/A  
 Completed : 05/26/22 Expires: 05/26/23  
 Sample Method : SOP Client Method

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## Residual Solvents

**PASSED**

Solvents	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



## Solvents

**PASSED**

Analyzed by 138, 12	Weight 0.02256g	Extraction date 05/12/22 09:07:57	Extracted By 138
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Analysis Method -SOP.T.40.032

Analytical Batch -KN002402SOL

Instrument Used : E-SHI-106 Residual Solvents

Running On :

Batch Date : 05/11/22 10:25:43

Reviewed On - 05/16/22 22:33:50

Dilution : 1

Reagent :

Consumables : R2017.099; G201.120

Residual solvents analysis 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). \*Based on FL action limits.





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 Batch# : 2212102  
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 Sample Method : SOP Client Method

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	<b>Microbial</b>	<b>PASSED</b>		<b>Mycotoxins</b>	<b>PASSED</b>
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Analyte	LOD	Units	Result	Pass / Fail	Action Level	Analyte	LOD	Units	Result	Pass / Fail	Action Level
LISTERIA MONOCYTOGENE	2000	RFU	ND	PASS	2000	AFLATOXIN G2	0.002	ppm	ND	PASS	0.02
ESCHERICHIA COLI SHIGELLA SPP	1726	RFU	ND	PASS	1726	AFLATOXIN G1	0.002	ppm	ND	PASS	0.02
SALMONELLA SPECIFIC GENE	10000	RFU	ND	PASS	10000	AFLATOXIN B2	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FLAVUS	10000	RFU	ND	PASS	10000	AFLATOXIN B1	0.002	ppm	ND	PASS	0.02
ASPERGILLUS FUMIGATUS	10000	RFU	ND	PASS	10000	OCHRATOXIN A+	0.002	ppm	ND	PASS	0.02
ASPERGILLUS NIGER	10000	RFU	ND	PASS	10000	TOTAL MYCOTOXINS	0.002	ppm	ND	PASS	0.02
ASPERGILLUS TERREUS	10000	RFU	ND	PASS	10000						

 Analysis Method - SOP.T.40.043  
 Analytical Batch - KN002405MIC  
 Instrument Used : Micro E-HEW-069  
 Running on :

 Reviewed On : 05/16/22 22:33:34  
 Batch Date : 05/12/22 08:43:32

Analyzed by: NA Weight: NA Extraction date: NA Extracted by: NA

 Dilution : 1  
 Reagent : 042222.01; 121521.02; 122021.03  
 Consumables : P7530724

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.30.060, SOP.T.40.060  
 Analytical Batch -KN002435MYC | Reviewed On - 05/19/22 18:12:35  
 Instrument Used : E-SHI-125 Mycotoxins  
 Running On : | Batch Date : 05/19/22 17:07:58

Analyzed by 1, 12 Weight 28g 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.T40.065 Procedure for Mycotoxins Quantification Using LCMSMS. LOQ 5.0 ppb). \*Based on FL action limits.

## Heavy Metals PASSED

Metal	LOD	Units	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 138, 12 Weight 0.2621g Extraction date 05/17/22 18:09:35 Extracted By 138

 Analysis Method -SOP.T.40.050, SOP.T.30.052  
 Analytical Batch -KN002422HEA | Reviewed On - 05/18/22 12:46:30  
 Instrument Used : Metals ICP/MS  
 Running On : | Batch Date : 05/17/22 09:32:57

 Dilution : 50  
 Reagent : 121421.06; 050522.R21; 011022.R08; 032522.01; 020422.09; 050522.R20; 020422.R07; 030422.R15  
 Consumables : 829C6-829B; 108779-06-102921; CFT415500

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma – Mass Spectrometer) which can screen down to single digit ppb concentrations for regulated heavy metals using Method SOP.T.30.082 Sample Preparation for Heavy Metals Analysis via ICP-MS and SOP.T.40.082TN Heavy Metals Analysis via ICP-MS.

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**Sue Ferguson**

Lab Director

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 ISO Accreditation # 17025:2017

  
 Signature

05/26/22

Signed On



10427 Cogdill Road, Suite 500  
Knoxville, TN, 37932, US  
DEA Number: RK0595249

Kaycha Labs

25mg Relax Bear

N/A

Matrix : Edible



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**Filth/Foreign  
Material**

**PASSED**

Analyte	LOD	Units	Result	P/F	Action Level
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Filth and Foreign Material	1	detect/g	ND	PASS	3
Analyzed By	Weight	Extraction date	Extracted By		
1692	0.4761g	05/12/22	1692		

Analysis Method -SOP.T.40.013 Batch Date : 05/11/22 08:35:54

Analytical Batch -KN002398FIL Reviewed On - 05/12/22 09:38:40

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 use for inspection.

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