Method Testing Laboratories
2720 Broadway Center Blvd.
Brandon, FL 33510
Lic #CMTL-2023-00012

Certificate of Analysis

Order # 2309HBR0018
Order Date: 9/27/2023
Sample # 2309HBR0018-002
Sampling Date: 9/28/2023 00:09

Receipt Date: 9/28/2023 12:09
Completion Date: 10/02/2023 16:56
Initial Gross Weight: 16.06 g
Total Batch Wgt or Vol:

Product Name: Green Roads Full Spectrum CBD Oil 750 mg
Seed to Sale #:
Batch #: J21Z01
Lot ID: J21Z01

Client: Global Widget
Address: 8419 Sunstate Street
Address: Tampa, FL 33634

Batch Date: 9/28/2023
Extracted From: Hemp
Cultivars: Isolate
Description: Tincture

Sampling Method: LAB-025
Matrix: Tinctures
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

SUMMARY



TESTED Potency	NOT TESTED Terpenes	PASSED Pesticides	PASSED Heavy Metals	NOT TESTED Total Contaminant Load	PASSED Residual Solvents	NOT TESTED Total Aerobic Bacteria
PASSED Mycotoxins	PASSED Microbials	PASSED Total Yeast and Mold	PASSED Filth and Foreign Material	NOT TESTED Water Activity	NOT TESTED Moisture	NOT TESTED Homogeneity

POTENCY — TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
CBD	0.018	43.6	4.36	759.35
CBG	0.032	4.65	0.465	80.865
CBC	0.045	4.47	0.447	77.743
CBN	0.014	3.38	0.338	58.899
CBDV	0.015	1.55	0.155	27.016
d9-THC	0.03	1.10	0.110	19.116
CBDA	0.018	ND	ND	N/A
CBGA	0.025	ND	ND	N/A
d8-THC	0.013	ND	ND	N/A
THCA	0.022	ND	ND	N/A
THCV	0.021	ND	ND	N/A

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
032	9/29/2023 17:39	040	10/2/2023 10:12
Batch Reviewed By:	Date/Time:	Analysis #	
027	10/2/2023 12:23	POTENCY 3 HPLC2.batch.bin	
Specimen wt (g):		Dilution:	
0.5213		100	
Analysis Method:		Instrument Used:	
TM-001 Potency		HPLC	

POTENCY SUMMARY

Total THC 0.573%	Total THC/Unit 19.12 mg	THC Label Claim N/A N/A	Total Cannabinoids 5.88%
Total CBD 22.7%	Total CBD/Unit 759.35 mg	CBD Label Claim N/A N/A	Total Cannabinoids/Unit 1023.0 mg

TERPENES SUMMARY

Analyte	Result	Result %
(+/-)-Borneol		
(+/-)-Fenchone		
[+/-]-Camphor		
alpha-Bisabolol		
alpha-Cedrene		
alpha-Humulene		
alpha-Phellandrene		
alpha-Pinene		
alpha-Terpinene		
alpha-terpinolene		

Total Terpenes:

Showing top 10 Terpenes, full analysis on the following page.

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PJLA Testing
Accreditation #111022

Roy Sorensen **Lab Director** **10/02/2023 16:56**

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Receipt Date: 9/28/2023 12:09
Completion Date: 10/02/2023 16:56
Initial Gross Weight: 16.06 g
Total Batch Wgt or Vol:

Product Name: Green Roads Full Spectrum CBD Oil 750 mg
Seed to Sale #:
Batch #: J21Z01
Lot ID: J21Z01

Client: Global Widget
Address: 8419 Sunstate Street
Address: Tampa, FL 33634

Batch Date: 9/28/2023
Extracted From: Hemp
Cultivars: Isolate
Description: Tincture

Sampling Method: LAB-025
Matrix: Tinctures
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

TERPENES — NOT TESTED

Analyte	LOD	Result	Result %	Analyte	LOD	Result	Result %
alpha-Pinene				Camphene			
Isopulegol				delta-3-Carene			
alpha-Terpinene				Eucalyptol			
gamma-Terpinene				alpha-terpinolene			
Linalool				Geraniol			
alpha-Humulene				Z-Nerolidol			
Menthol				E-Nerolidol			
Guaiol				E-Caryophyllene			
Nerol				alpha-Bisabolol			
Valencene				D-Limonene			
alpha-Cedrene				Sabinene			
Endo-Fenchyl Alcohol				Terpineol			
Pulegone				[+/-]-Camphor			
Isoborneol				(+/-)-Fenchone			
Ocimenes				Cedrol			
Farnesene				Geranyl acetate			
alpha-Phellandrene				beta-Pinene			
beta-Myrcene				Caryophyllene Oxide			
(+/-)-Borneol				Sabinene Hydrate			

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
Batch Reviewed By:	Date/Time:	Analysis #	
Specimen wt:		Dilution:	
Analysis Method:		Instrument Used:	

Total Terpenes: %

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Total Batch Wgt or Vol:

Product Name: Green Roads Full Spectrum CBD Oil 750 mg
Seed to Sale #:
Batch #: J21Z01
Lot ID: J21Z01

Client: Global Widget
Address: 8419 Sunstate Street
Address: Tampa, FL 33634

Batch Date: 9/28/2023
Extracted From: Hemp
Cultivars: Isolate
Description: Tincture

Sampling Method: LAB-025
Matrix: Tinctures
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

PESTICIDES — PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status	Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Abamectin	14.3	300	ND	Pass	Acephate	8.4	5000	ND	Pass
Acequinocyl	14.4	4000	ND	Pass	Acetamiprid	9.3	5000	ND	Pass
Aldicarb	11.4	100	ND	Pass	Azoxystrobin	14	40000	ND	Pass
Bifenazate	14.3	5000	ND	Pass	Bifenthrin	11.1	500	ND	Pass
Boscalid	13.1	10000	ND	Pass	Captan	13.3	5000	ND	Pass
Carbaryl	14.2	500	ND	Pass	Carbofuran	8.4	100	ND	Pass
Chlorantraniliprole	26.4	40000	ND	Pass	Chlordane	10	100	ND	Pass
Chlorfenapyr	6.8	100	ND	Pass	Chlormequat chloride				
Chlorpyrifos	15.6	100	ND	Pass	Clofentezine	13.6	500	ND	Pass
Coumaphos	3.9	100	ND	Pass	Cyfluthrin	7.6	1000	ND	Pass
Cypermethrin	14	1000	ND	Pass	Daminozide	13.5	100	ND	Pass
Diazinon	11.2	200	ND	Pass	Dichlorvos	14.4	100	ND	Pass
Dimethoate	15.1	100	ND	Pass	Dimethomorph	16.7	20000	ND	Pass
Ethoprophos	13.7	100	ND	Pass	Etofenprox	9.4	100	ND	Pass
Etoxazole	11.2	1500	ND	Pass	Fenhexamid	13.7	10000	ND	Pass
Fenoxycarb	14.4	100	ND	Pass	Fenpyroximate	12.9	2000	ND	Pass
Fipronil	12.3	100	ND	Pass	Flonicamid	12.8	2000	ND	Pass
Fludioxonil	12.5	30000	ND	Pass	Hexythiazox	12.7	2000	ND	Pass
Imazalil	14.4	100	ND	Pass	Imidacloprid	28.6	3000	ND	Pass
Kresoxim-methyl	10	1000	ND	Pass	Malathion	19.2	5000	ND	Pass
Metalaxyl	12.2	15000	ND	Pass	Methiocarb	14.6	100	ND	Pass
Methomyl	9.6	100	ND	Pass	Methyl parathion	9.1	100	ND	Pass
Mevinphos	11.4	100	ND	Pass	Myclobutanil	11.4	9000	ND	Pass
Naled	15.1	500	ND	Pass	Oxamyl	7.6	200	ND	Pass
Paclobutrazol	12.4	100	ND	Pass	Pentachloronitrobenzene	8.4	200	ND	Pass
Permethrin	9.7	20000	ND	Pass	Phosmet	12.6	200	ND	Pass
Piperonylbutoxide	8	8000	ND	Pass	Prallethrin	13.2	400	ND	Pass
Propiconazole	14.6	20000	ND	Pass	Propoxur	8.7	100	ND	Pass
Pyrethrins	25.0	1000	ND	Pass	Pyridaben	12.4	3000	ND	Pass
Spinetoram	12.2	3000	ND	Pass	Spinosad A and D	11.8	3000	ND	Pass
Spiromesifen	14.9	12000	ND	Pass	Spirotetramat	13.5	13000	ND	Pass
Spiroxamine	14.7	100	ND	Pass	Tebuconazole	13	2000	ND	Pass
Thiacloprid	8.2	100	ND	Pass	Thiamethoxam	13.4	4500	ND	Pass
Trifloxystrobin	7	30000	ND	Pass					

Sample Prepared By: 034 Date/Time: 9/30/2023 16:03 Specimen wt (g): 1.0130 Dilution: 125 Analysis # 2023_09_29 GC2 PEST3.batch.bin
Sample Analyzed By: 025 Date/Time: 10/2/2023 10:16 Analysis Method: TM-003 Pesticides
Batch Reviewed By: 027 Date/Time: 10/2/2023 9:10 Instrument Used: GC/MS/MS

Sample Prepared By: 034 Date/Time: 9/30/2023 16:03 Specimen wt (g): 1.0130 Dilution: 125 Analysis # 2023_0929_LC2 PEST1.batch.bin
Sample Analyzed By: 025 Date/Time: 10/2/2023 10:16 Analysis Method: TM-002 Pesticides and Mycotoxins
Batch Reviewed By: 027 Date/Time: 10/2/2023 9:10 Instrument Used: LC/MS/MS

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Roy Sorensen **Lab Director** **10/02/2023 16:56**

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Order Date: 9/27/2023
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Sampling Date: 9/28/2023 00:09

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Initial Gross Weight: 16.06 g
Total Batch Wgt or Vol:

Product Name: Green Roads Full Spectrum CBD Oil 750 mg
Seed to Sale #:
Batch #: J21Z01
Lot ID: J21Z01

Client: Global Widget
Address: 8419 Sunstate Street
Address: Tampa, FL 33634

Batch Date: 9/28/2023
Extracted From: Hemp
Cultivars: Isolate
Description: Tincture

Sampling Method: LAB-025
Matrix: Tinctures
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

HEAVY METALS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	ND	Pass
Arsenic	26.2	1500	ND	Pass
Cadmium	18.9	500	ND	Pass
Mercury	28.4	3000	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
037	10/2/2023 14:55	037	10/2/2023 16:50
Batch Reviewed By:	Date/Time:	Analysis #	
012	10/2/2023 16:55	ICPMS_1	
Specimen wt (g):		Dilution:	
0.1130		50	
Analysis Method:		Instrument Used:	
TM-006 Heavy Metals		ICP-MS	

TOTAL CONTAMINANT LOAD

Analyte	Action Level (mg/kg)	Result (mg/kg)	Status
Heavy Metals/Pesticides			N/A

RESIDUAL SOLVENTS PASSED

Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status
Acetone	15.2	5000	ND	Pass
Acetonitrile	10.3	410	ND	Pass
Benzene	0.117	1	ND	Pass
Butane	22.5	5000	ND	Pass
Chloroform	0.109	1	ND	Pass
1,2-Dichloroethane	0.186	1	ND	Pass
1,1-Dichloroethene				N/A
Ethanol	17.8		744.8	N/A
Ethyl acetate	15.3	5000	ND	Pass
Ethyl ether	18.9	5000	ND	Pass
Ethylene oxide	0.225	1	ND	Pass
Heptane	29.4	5000	ND	Pass
Hexane	27.1	290	ND	Pass
Isopropyl alcohol	15.4	5000	ND	Pass
Methanol	22.9	3000	ND	Pass
Methylene chloride	0.088	1	ND	Pass
Pentane	27.6	5000	ND	Pass
Propane	17.6	5000	ND	Pass
Trichloroethylene	0.098	1	ND	Pass
Toluene	22.6	890	ND	Pass
Total xylenes	20.0	2170	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
039	9/29/2023 9:24	039	9/29/2023 9:29
Batch Reviewed By:	Date/Time:	Analysis #	
027	9/29/2023 9:57	09282023 RSA 1.batch.bin	
Specimen wt (g):		Dilution:	
0.2671		5	
Analysis Method:		Instrument Used:	
TM-005 Residual Solvents		HS-GCMS	

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Batch #: J21Z01
Lot ID: J21Z01

Client: Global Widget
Address: 8419 Sunstate Street
Address: Tampa, FL 33634

Batch Date: 9/28/2023
Extracted From: Hemp
Cultivars: Isolate
Description: Tincture

Sampling Method: LAB-025
Matrix: Tinctures
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

MYCOTOXINS PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Aflatoxin B1				N/A
Aflatoxin B2				N/A
Aflatoxin G1				N/A
Aflatoxin G2				N/A
Ochratoxin A	2.9	20	ND	Pass
Total Aflatoxin		20	0.000	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
034	9/30/2023 16:03	034	9/30/2023 16:27
Batch Reviewed By:	Date/Time:	Analysis #	
027	10/1/2023 21:07	2023_0929_LC2 PEST1.batch.bin	
Specimen wt (g):		Dilution:	
1.0130		125	
Analysis Method:		Instrument Used:	
TM-002 Pesticides and Mycotoxins		LC/MS/MS	

TOTAL YEAST AND MOLD PASSED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds	100000	ND	Pass

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
022	10/2/2023 10:38	022	10/2/2023 10:39
Batch Reviewed By:	Date/Time:	Analysis #	
027	10/2/2023 11:57	5	
Specimen wt (g):		Dilution:	
1.05		10	
Analysis Method:		Instrument Used:	
TM-012 Yeast and Molds		Incubator	

MICROBIAL PASSED

Analyte	Action Level (present in 1 g)	Result (present in 1 g)	Status
Salmonella	Present	Absent	Pass
Shiga Toxin E. coli	Present	Absent	Pass
Total Aspergillus*			N/A

Sample Prepared By:	Date/Time:	Sample Analyzed By:	Date/Time:
043	9/30/2023 15:28	043	9/30/2023 16:30
Batch Reviewed By:	Date/Time:	Analysis #	
027	10/1/2023 21:19	2	
Specimen wt (g):		Dilution:	
1.040		1	
Analysis Method:		Instrument Used:	
TM-011 Microbiology		qPCR	

* Total Aspergillus represents the sum of the results of Aspergillus flavus, Aspergillus fumigatus, Aspergillus niger, and Aspergillus terreus.

FILTH & FOREIGN MATERIAL PASSED

Analyte	Action Level	Result	Status
Foreign Material (per 3g)	1	0.000	Pass
Filth (%)	25	0.000	Pass

Sample Analyzed By:	Date/Time:	
031	9/29/2023 16:09	
Batch Reviewed By:	Date/Time:	Analysis #
027	10/1/2023 21:10	FF
Specimen wt (g):		
15.0		
Analysis Method:		Instrument Used:
TM-010 Filth and Foreign Material		Electronic Balance

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Cultivars: Isolate
Description: Tincture

Sampling Method: LAB-025
Matrix: Tinctures
Test Reg State: Hemp CA

Cultivation Facility:
Cultivation Date:
Production Facility:
Production Date:

WATER ACTIVITY NOT TESTED

Analyte	Action Level (aw)	Result (aw)	Status
Water Activity			N/A

Sample Analyzed By: Date/Time :
Batch Reviewed By: Date/Time: Analysis #
Specimen wt (g):
Analysis Method: Instrument Used:

MOISTURE NOT TESTED

Analyte	Action Level (%)	Result (%)	Status
Moisture Content			N/A

Sample Analyzed By: Date/Time:
Batch Reviewed By: Date/Time: Analysis #
Specimen wt (g):
Analysis Method: Instrument Used:

TOTAL AEROBIC BACTERIA NOT TESTED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Aerobic Bacteria			N/A

Sample Prepared By: Date/Time: Sample Analyzed By: Date/Time:
Batch Reviewed By: Date/Time: Analysis #
Specimen wt (g): Dilution:
Analysis Method: Instrument Used:

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