



# Certificate of Analysis

**Order #** 2308HBR0012      Receipt Date: 8/11/2023 12:08      Product Name: Green Roads Muscle & Joint Pain Relief CBD Cream 750 mg  
**Order Date:** 8/10/2023      Completion Date: 08/15/2023 13:47      Seed to Sale #:  
**Sample #** 2308HBR0012-001      Initial Gross Weight: 37.84 g      Batch #: H10Z01  
**Sampling Date:** 8/11/2023 00:08      Total Batch Wgt or Vol:      Lot ID: H10Z01

**Client:** Global Widget      Batch Date: 8/11/2023      Sampling Method: LAB-025      Cultivation Facility:  
**Address:** 8419 Sunstate Street      Extracted From: Hemp      Matrix: Topical      Cultivation Date:  
**Address:** Tampa, FL 33634      Cultivars: Isolate      Test Reg State: Hemp CA      Production Facility:  
 Description: Topical      Production Date:

## SUMMARY



<b>TESTED</b> Potency	<b>NOT TESTED</b> Terpenes	<b>NOT TESTED</b> Pesticides	<b>NOT TESTED</b> Heavy Metals	<b>NOT TESTED</b> Total Contaminant Load	<b>NOT TESTED</b> Residual Solvents	<b>NOT TESTED</b> Total Aerobic Bacteria
<b>NOT TESTED</b> Mycotoxins	<b>NOT TESTED</b> Microbials	<b>NOT TESTED</b> Total Yeast and Mold	<b>NOT TESTED</b> Filtration and Foreign Material	<b>NOT TESTED</b> Water Activity	<b>NOT TESTED</b> Moisture	<b>NOT TESTED</b> Homogeneity

## POTENCY TESTED

Analyte	LOD (mg/g)	Result (mg/g)	Result %	mg/unit
CBD	0.00001	25.3	2.53	760.49
CBG	0.000015	1.97	0.197	59.020
CBC	0.000004	ND	ND	N/A
CBDA	0.000012	ND	ND	N/A
CBDV	0.000017	ND	ND	N/A
CBGA	0.000008	ND	ND	N/A
CBN	0.000009	ND	ND	N/A
d8-THC	0.000246	ND	ND	N/A
d9-THC	0.00002	ND	ND	N/A
THCA	0.000012	ND	ND	N/A
THCV	0.000015	ND	ND	N/A

**Sample Prepared By:** Date/Time:      **Sample Analyzed By:** Date/Time:  
 040      8/14/2023 12:17      040      8/14/2023 13:17  
**Batch Reviewed By:** Date/Time:      **Analysis #**  
 027      8/15/2023 7:57      Potency 1.batch.bin  
**Specimen wt (g):** Dilution:  
 1.0300      500  
**Analysis Method:** Instrument Used:  
 TM-001 Potency      HPLC

## POTENCY SUMMARY

Total THC ND	Total THC/Unit N/A	THC Label Claim N/A N/A	Total Cannabinoids 2.73%
Total CBD 2.53%	Total CBD/Unit 760.49 mg	CBD Label Claim N/A N/A	Total Cannabinoids/Unit 819.51 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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*A. Repay*  
**Anthony Repay**      **Lab**  
 Director-Micro

08/15/2023 13:47



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Order Date: 8/10/2023	Completion Date: 08/15/2023 13:47	Seed to Sale #:
Sample # 2308HBR0012-001	Initial Gross Weight: 37.84 g	Batch #: H10Z01
Sampling Date: 8/11/2023 00:08	Total Batch Wgt or Vol:	Lot ID: H10Z01

<b>Client:</b> Global Widget	Batch Date: 8/11/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 8419 Sunstate Street	Extracted From: Hemp	Matrix: Topical	Cultivation Date:
Address: Tampa, FL 33634	Cultivars: Isolate	Test Reg State: Hemp CA	Production Facility:
	Description: Topical		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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Sample # 2308HBR0012-001	Initial Gross Weight: 37.84 g	Batch #: H10Z01
Sampling Date: 8/11/2023 00:08	Total Batch Wgt or Vol:	Lot ID: H10Z01

<b>Client:</b> Global Widget	Batch Date: 8/11/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 8419 Sunstate Street	Extracted From: Hemp	Matrix: Topical	Cultivation Date:
Address: Tampa, FL 33634	Cultivars: Isolate	Test Reg State: Hemp CA	Production Facility:
	Description: Topical		Production Date:

PESTICIDES					NOT TESTED				
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				N/A	Acephate				
Acequinocyl				N/A	Acetamiprid				
Aldicarb				N/A	Azoxystrobin				
Bifenazate				N/A	Bifenthrin				
Boscalid				N/A	Captan				
Carbaryl				N/A	Carbofuran				
Chlorantraniliprole				N/A	Chlordane				
Chlorfenapyr				N/A	Chlormequat chloride				
Chlorpyrifos				N/A	Clofentazine				
Coumaphos				N/A	Cyfluthrin				
Cypermethrin				N/A	Daminozide				
Diazinon				N/A	Dichlorvos				
Dimethoate				N/A	Dimethomorph				
Ethoprophos				N/A	Etofenprox				
Etoxazole				N/A	Fenhexamid				
Fenoxycarb				N/A	Fenpyroximate				
Fipronil				N/A	Fonicamid				
Fludioxonil				N/A	Hexythiazox				
Imazalil				N/A	Imidacloprid				
Kresoxim-methyl				N/A	Malathion				
Metalaxyl				N/A	Methiocarb				
Methomyl				N/A	Methyl parathion				
Mevinphos				N/A	Myclobutanil				
Naled				N/A	Oxamyl				
Paclobutrazol				N/A	Pentachloronitrobenzene				
Permethrin				N/A	Phosmet				
Piperonylbutoxide				N/A	Prallethrin				
Propiconazole				N/A	Propoxur				
Pyrethrins				N/A	Pyridaben				
Spinetoram				N/A	Spinosad A and D				
Spiromesifen				N/A	Spirotetramat				
Spiroxamine				N/A	Tebuconazole				
Thiacloprid				N/A	Thiamethoxam				
Trifloxystrobin				N/A					

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

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**Anthony Repay**  
Lab Director-Micro

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Order Date: 8/10/2023	Completion Date: 08/15/2023 13:47	Seed to Sale #:
Sample # 2308HBR0012-001	Initial Gross Weight: 37.84 g	Batch #: H10Z01
Sampling Date: 8/11/2023 00:08	Total Batch Wgt or Vol:	Lot ID: H10Z01

<b>Client:</b> Global Widget	Batch Date: 8/11/2023	Sampling Method: LAB-025	Cultivation Facility:
Address: 8419 Sunstate Street	Extracted From: Hemp	Matrix: Topical	Cultivation Date:
Address: Tampa, FL 33634	Cultivars: Isolate	Test Reg State: Hemp CA	Production Facility:
	Description: Topical		Production Date:

HEAVY METALS		NOT TESTED		
Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status

Lead				N/A
Arsenic				N/A
Cadmium				N/A
Mercury				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:	

RESIDUAL SOLVENTS		NOT TESTED		
Analyte	LOD (mg/kg)	Action Level (mg/kg)	Result (mg/kg)	Status

Acetone				N/A
Acetonitrile				N/A
Benzene				N/A
Butane				N/A
Chloroform				N/A
1,2-Dichloroethane				N/A
1,1-Dichloroethene				N/A
Ethanol				N/A
Ethyl acetate				N/A
Ethyl ether				N/A
Ethylene oxide				N/A
Heptane				N/A
Hexane				N/A
Isopropyl alcohol				N/A
Methanol				N/A
Methylene chloride				N/A
Pentane				N/A
Propane				N/A
Trichloroethylene				N/A
Toluene				N/A
Total xylenes				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:	

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

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Address: Tampa, FL 33634	Cultivars: Isolate	Test Reg State: Hemp CA	Production Facility:
	Description: Topical		Production Date:

## MYCOTOXINS NOT TESTED

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				N/A
Total Aflatoxin				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:

## TOTAL YEAST AND MOLD NOT TESTED

Analyte	Action Level (cfu/g)	Result (cfu/g)	Status
Total Combined Yeasts & Molds			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:

## MICROBIAL NOT TESTED

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

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

## FILTH & FOREIGN MATERIAL NOT TESTED

Analyte	Action Level	Result	Status
Feces Amount (mg/kg)			N/A
Filth (%)			N/A
Foreign Material (per 3g)			N/A

Sample Analyzed By: Date/Time:

Batch Reviewed By: Date/Time: Analysis #

Specimen wt (g):

Analysis Method: Instrument Used:

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**Anthony Repay** Lab Director-Micro

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Address: Tampa, FL 33634	Cultivars: Isolate	Test Reg State: Hemp CA	Production Facility:
	Description: Topical		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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**Anthony Repay**

**Lab Director-Micro**

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