



Certificate of Analysis

Order # 2307HBR0017 Receipt Date: 7/25/2023 15:07 Product Name: Green Roads Cool Relief CBD Roll On 750 mg
Order Date: 7/24/2023 Completion Date: 07/28/2023 17:15 Seed to Sale #:
Sample # 2307HBR0017-001 Initial Gross Weight: 82.66 g Batch #: G21Z01
Sampling Date: 7/25/2023 00:07 Total Batch Wgt or Vol: Lot ID: G21Z01

Client: Global Widget Batch Date: 7/25/2023 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



TESTED Potency	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 Filtration 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	8.12	0.812	738.41
CBG	0.032	0.698	0.070	63.424
THCV	0.021	0.237	0.024	21.540
CBC	0.045	ND	ND	N/A
CBDA	0.018	ND	ND	N/A
CBDV	0.015	ND	ND	N/A
CBGA	0.025	ND	ND	N/A
CBN	0.014	ND	ND	N/A
d8-THC	0.013	ND	ND	N/A
d9-THC	0.03	ND	ND	N/A
THCA	0.022	ND	ND	N/A

POTENCY SUMMARY

Total THC 0.000%	Total THC/Unit N/A	THC Label Claim N/A	Total Cannabinoids 0.906%
Total CBD 0.812%	Total CBD/Unit 738.41 mg	CBD Label Claim N/A	Total Cannabinoids/Unit 823.38 mg

TERPENES SUMMARY

Analyte	Result (ug/g)	Result %
Menthol	13180	1.320
Eucalyptol	5787	0.579
alpha-Pinene	3060	0.306
[+/-]-Camphor	1699	0.170
D-Limonene	1109	0.111
alpha-Bisabolol	650.2	0.065
Camphene	518.7	0.052
beta-Pinene	371.1	0.037
Terpineol	252.3	0.025
(+/-)-Borneol	206.4	0.021

Total Terpenes: 2.71%

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

Sample Prepared By: Date/Time: **Sample Analyzed By:** Date/Time:
 040 7/27/2023 13:14 040 7/27/2023 14:36
Batch Reviewed By: Date/Time: **Analysis #**
 027 7/27/2023 17:35 Potency 3
Specimen wt (g): **Dilution:**
 1.0228 100
Analysis Method: **Instrument Used:**
 TM-001 Potency HPLC

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A. Repay
Anthony Repay **Lab Director-Micro**

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Sample # 2307HBR0017-001	Initial Gross Weight: 82.66 g	Batch #: G21Z01
Sampling Date: 7/25/2023 00:07	Total Batch Wgt or Vol:	Lot ID: G21Z01

Client: Global Widget	Batch Date: 7/25/2023	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				TESTED			
Analyte	LOD (ug/g)	Result (ug/g)	Result %	Analyte	LOD (ug/g)	Result (ug/g)	Result %
alpha-Pinene	8	3060	0.306	Camphene	10	518.7	0.052
Isopulegol	59	ND	ND	delta-3-Carene	0.158	ND	ND
alpha-Terpinene	0.935	ND	ND	Eucalyptol	56	5787	0.579
gamma-Terpinene	0.062	82.22	0.008	alpha-terpinolene	17	ND	ND
Linalool	18	ND	ND	Geraniol	13	ND	ND
alpha-Humulene	21	ND	ND	Z-Nerolidol	22	ND	ND
Menthol	44	13180	1.320	E-Nerolidol	19	ND	ND
Guaiol	24	ND	ND	E-Caryophyllene	31	ND	ND
Nerol	25	ND	ND	alpha-Bisabolol	20	650.2	0.065
Valencene	27	ND	ND	D-Limonene	15	1109	0.111
alpha-Cedrene	20	ND	ND	Sabinene	29	96.21	0.010
Endo-Fenchyl Alcohol	40	ND	ND	Terpineol	31	252.3	0.025
Pulegone	11	ND	ND	[+/-]-Camphor	62	1699	0.170
Isoborneol	74	ND	ND	(+/-)-Fenchone	21	ND	ND
Ocimenes	31	< LOQ	< LOQ	Cedrol	7	ND	ND
Farnesene	130	ND	ND	Geranyl acetate	19	ND	ND
alpha-Phellandrene	0.189	37.27	0.004	beta-Pinene	26	371.1	0.037
beta-Myrcene	50	ND	ND	Caryophyllene Oxide	191	ND	ND
(+/-)-Borneol	15	206.4	0.021	Sabinene Hydrate	0.209	ND	ND

Total Terpenes: 2.71 %

Sample Prepared By: 039	Date/Time: 7/28/2023 14:47	Sample Analyzed By: 039	Date/Time: 7/28/2023 15:23
Batch Reviewed By: 027	Date/Time: 7/28/2023 16:06	Analysis #: 07-28 Terp 1.batch.bin	
Specimen wt: 0.5434		Dilution: 50	
Analysis Method: TM-004 Terpenes		Instrument Used: LI-GCMS	

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Order Date: 7/24/2023	Completion Date: 07/28/2023 17:15	Seed to Sale #:
Sample # 2307HBR0017-001	Initial Gross Weight: 82.66 g	Batch #: G21Z01
Sampling Date: 7/25/2023 00:07	Total Batch Wgt or Vol:	Lot ID: G21Z01

Client: Global Widget	Batch Date: 7/25/2023	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	PASSED
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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	Fonicamid	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: 025	Date/Time: 7/26/2023 16:59	Specimen wt (g): 1.0291	Dilution: 125	Analysis # 2023_07_26 GC1 Pest1.batch.bin
Sample Analyzed By: 034	Date/Time: 7/27/2023 14:28	Analysis Method: TM-003 Pesticides		
Batch Reviewed By: 027	Date/Time: 7/27/2023 15:25	Instrument Used: GC/MS/MS		

Sample Prepared By: 025	Date/Time: 7/26/2023 16:59	Specimen wt (g): 1.0291	Dilution: 125	Analysis # 2023_07_26 LC1 Pest1.batch.bin
Sample Analyzed By: 034	Date/Time: 7/27/2023 14:28	Analysis Method: TM-002 Pesticides and Mycotoxins		
Batch Reviewed By: 027	Date/Time: 7/27/2023 15:25	Instrument Used: LC/MS/MS		

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Sampling Date: 7/25/2023 00:07	Total Batch Wgt or Vol:	Lot ID: G21Z01

Client: Global Widget	Batch Date: 7/25/2023	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 PASSED

Analyte	LOD (ug/kg)	Action Level (ug/kg)	Result (ug/kg)	Status
Lead	20.7	500	290.0	Pass
Arsenic	26.2	1500	ND	Pass
Cadmium	18.9	500	ND	Pass
Mercury	28.4	3000	ND	Pass

Sample Prepared By: 028	Date/Time: 7/26/2023 8:58	Sample Analyzed By: 028	Date/Time: 7/26/2023 16:47
Batch Reviewed By: 028	Date/Time: 7/26/2023 16:54	Analysis #	ICPMS_1_0726
Specimen wt (g): 0.1081		Dilution:	50
Analysis Method: TM-006 Heavy Metals		Instrument Used:	ICP-MS

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		ND	N/A
1,1-Dichloroethene				N/A
Ethanol				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		ND	N/A
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: 048	Date/Time: 7/26/2023 15:40	Sample Analyzed By: 048	Date/Time: 7/27/2023 10:40
Batch Reviewed By: 027	Date/Time: 7/27/2023 15:11	Analysis #	07262023 RSA 1.batch.bin
Specimen wt (g): 0.2660		Dilution:	5
Analysis Method: TM-005 Residual Solvents		Instrument Used:	HS-GCMS

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:

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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