



# Certificate of Analysis

## CANNABUSINESS LABORATORIES, LLC

### Customer:

Palmetto Synergistic Research  
8856 Pee Dee Hwy  
Conway, SC 29527 / 843-331-1246

Sample ID **230221001**  
Order Number **CB230221001**  
Sample Name **Calm Balm**

External Sample ID

Received Date **2/21/2023**  
COA Released **2/28/2023**

Batch Number **23037**  
Product Type **Topical**  
Sample Type **Topical**

Comments

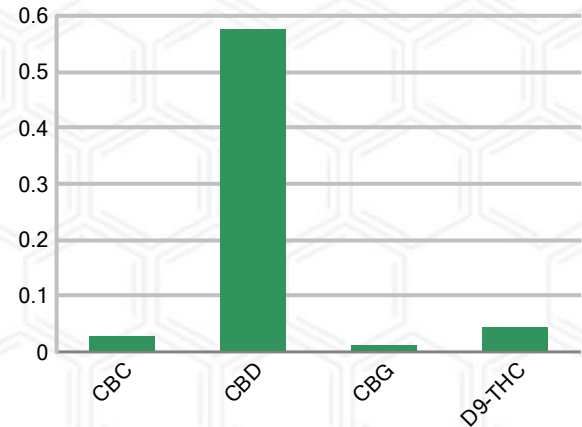
### CANNABINOID PROFILE

Analyte	LOQ (%)	% Weight	mg/g
CBC	0.01	0.028	0.279
CBD	0.01	0.576	5.759
CBDa	0.01	ND	ND
CBDV	0.01	ND	ND
CBG	0.01	0.011	0.106
CBGa	0.01	ND	ND
CBN	0.01	ND	ND
d8-THC	0.01	ND	ND
d9-THC	0.01	0.043	0.433
THCa	0.01	ND	ND
<b>Total Cannabinoids</b>		<b>0.658</b>	<b>6.580</b>
<b>Total Potential THC</b>		<b>0.043</b>	<b>0.430</b>
<b>Total Potential CBD</b>		<b>0.576</b>	<b>5.760</b>
<b>Total Potential CBG</b>		<b>0.011</b>	<b>0.110</b>
<b>Ratio of Total Potential CBD to Total Potential THC</b>			<b>13.40 : 1</b>
<b>Ratio of Total Potential CBG to Total Potential THC</b>			<b>0.26 : 1</b>

### SAMPLE IMAGE



### CANNABINOIDS % Weight



\*Total Cannabinoids refers to the sum of all cannabinoids detected.

\*Total Potential CBD = (0.877 x CBDa) + CBD. \*Total Potential THC = (0.877 x THCa) + THC. \*Total Potential CBG = (0.877 x CBGa) + CBG.

\*Total Potential THC/CBD are calculated to take into account the loss of an acid group during decarboxylation.



*J. Hobgood*  
Laboratory Manager

SIGNATURE

Jamie Hobgood

LABORATORY MANAGER

02/28/2023 4:26 PM

DATE

This product has been tested by CannaBusiness Laboratories using validated testing methodologies and a quality system. Values reported relate only to the product tested. CannaBusiness Laboratories makes no claims as to the efficacy, safety, or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written permission of CannaBusiness Laboratories. Photo is of sample received by the lab and may vary from final packaging. The results apply to the sample as received.



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### Customer

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**Sample Name:** Calm Balm

**Sample ID:** 230221001

**Order Number:** CB230221001

**Product Type:** Topical

**Sample Type:** Topical

**Received Date:** 02/21/2023

**Batch Number:** 23037

**COA released:** 02/28/2023 4:26 PM

### Potency (mg/g)

Date Tested: 02/23/2023

Method: CB-SOP-028

Instrument:

<b>0.043 %</b> Total THC	<b>0.576 %</b> Total CBD	<b>0.658 %</b> Total Cannabinoids	<b>6.580 mg/g</b> Total Cannabinoids
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Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.028	%	0.010	0.279	mg/g
CBD (Cannabidiol)	0.576	%	0.010	5.759	mg/g
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/g
CBDV (Cannabidivarin)	ND	%	0.010	ND	mg/g
CBG (Cannabigerol)	0.011	%	0.010	0.106	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	ND	%	0.010	ND	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	0.043	%	0.010	0.433	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

### Terpenoids

Date Tested: 02/28/2023

Method: CB-SOP-026

Instrument:

Analyte	Result	Unit	LOQ	Result	Unit
alpha-Bisabolol	<LOQ	mg/g	0.100	<LOQ	%
alpha-humulene	<LOQ	mg/g	0.100	<LOQ	%
alpha-pinene	<LOQ	mg/g	0.100	<LOQ	%
alpha-terpinene	<LOQ	mg/g	0.100	<LOQ	%
beta-caryophyllene	<LOQ	mg/g	0.100	<LOQ	%
Beta-myrcene	0.444	mg/g	0.100	0.0444	%
Beta-pinene	<LOQ	mg/g	0.100	<LOQ	%
cis-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Camphene	<LOQ	mg/g	0.100	<LOQ	%
d-Limonene	0.677	mg/g	0.100	0.0677	%
delta-3-Carene	<LOQ	mg/g	0.100	<LOQ	%
Eucalyptol	0.374	mg/g	0.100	0.0374	%
gamma-Terpinene	<LOQ	mg/g	0.100	<LOQ	%
Geraniol	<LOQ	mg/g	0.100	<LOQ	%
Guaiol	<LOQ	mg/g	0.100	<LOQ	%
Isopulegol	<LOQ	mg/g	0.100	<LOQ	%
Linalool	3.821	mg/g	0.100	0.3821	%
Ocimene (mixture of isomers)	0.168	mg/g	0.100	0.0168	%
p-Isopropyltoluene (p-Cymene)	<LOQ	mg/g	0.100	<LOQ	%
trans-beta-Ocimene	0.768	mg/g	0.100	0.0768	%
trans-Nerolidol	<LOQ	mg/g	0.100	<LOQ	%
Terpinolene	<LOQ	mg/g	0.100	<LOQ	%

### Mycotoxins

Date Tested: 02/27/2023

Method: CB-SOP-025

Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Ochratoxin A	ND	ppm	0.010		Aflatoxin B1	ND	ppm	0.010	
Aflatoxin G2	ND	ppm	0.010		Aflatoxin B2	ND	ppm	0.010	
Aflatoxin G1	ND	ppm	0.010						

### Metals

Date Tested: 02/27/2023

Method: CB-SOP-027

Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Arsenic	<LOQ	ppm	0.500		Cadmium	<LOQ	ppm	0.500	
Lead	<LOQ	ppm	0.500		Mercury	<LOQ	ppm	3.000	

### Microbial

Date Tested: 02/28/2023

Method:

Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
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NT = Not tested, ND = Not detected; LOQ = Limit of Quantitation; <LOQ = Detected; >ULOL = Above upper limit of linearity; CFU/g = Colony forming units per 1 gram; TNTC = Too numerous to count

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### Microbial

Date Tested: 02/28/2023 Method: Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
STEC (E. coli)	Negative				Salmonella	Negative			
L. monocytogenes	Negative				Yeast/Mold (qPCR)	0	CFUs		

### Residual Solvent

Date Tested: 02/24/2023 Method: CB-SOP-032 Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
1-4 Dioxane	<LOQ	ppm	29		2-Butanol	<LOQ	ppm	175	
2-Ethoxyethanol	<LOQ	ppm	24		2-Methylpentane	<LOQ	ppm	87	
3-Methylpentane	<LOQ	ppm	87		2-Propanol	<LOQ	ppm	350	
Cyclohexane	<LOQ	ppm	146		Ether	<LOQ	ppm	350	
Ethylbenzene	<LOQ	ppm	81		Acetone	<LOQ	ppm	350	
Isopropyl Acetate	<LOQ	ppm	175		Methylbutane	<LOQ	ppm	350	
n-Heptane	<LOQ	ppm	350		n-Hexane	<LOQ	ppm	87	
n-Pentane	<LOQ	ppm	350		Tetrahydrofuran	<LOQ	ppm	54	
Acetonitrile	<LOQ	ppm	123		Ethanol	<LOQ	ppm	350	
Ethyl acetate	<LOQ	ppm	175		o-Xylene	<LOQ	ppm	81	
m+p-Xylene	<LOQ	ppm	163		Methanol	<LOQ	ppm	250	
Methylene Chloride	<LOQ	ppm	90		Toluene	<LOQ	ppm	67	



*J. Hobgood*  
Laboratory Manager

Jamie Hobgood

02/28/2023 4:26 PM

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