



CannaBusiness Laboratories, LLC

2554 Palumbo Dr. Lexington, KY 40509

Certificate of Analysis

Customer:
Palmetto Synergistic Research
8856 Pee Dee Hwy

Conway, SC 29527

Sample ID: **210316004**
Order Number: **CB210316004**
Sample Name: **Mandarin Turmeric Hemp
Body oil**

Collected Date:
Received Date: **3/16/2021**
COA Released: **3/22/2021**

External Sample ID:
Batch Number: **CE21071**
Product Type: **Topical**
Sample Type: **Topical**

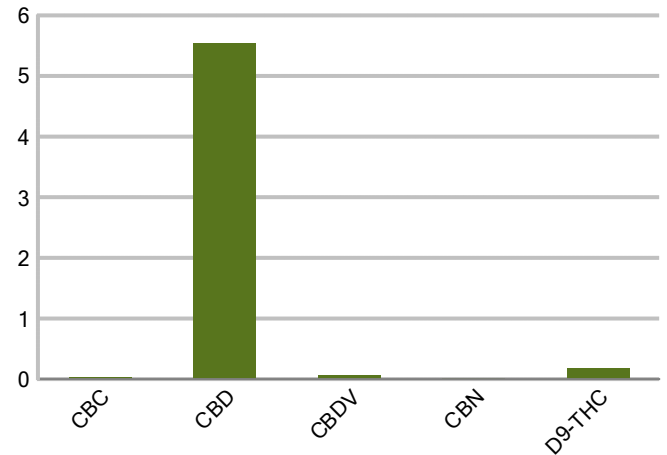
Comments:

CANNABINOID PROFILE

Analyte	LOQ (%)	% weight	mg/g
CBC	0.01	0.025	0.249
CBD	0.01	5.542	55.42
CBDa	0.01	ND	ND
CBDV	0.01	0.063	0.632
CBG	0.01	ND	ND
CBGa	0.01	ND	ND
CBN	0.01	0.011	0.109
d8-THC	0.01	ND	ND
d9-THC	0.01	0.168	1.679
THCa	0.01	ND	ND
Total Cannabinoids		5.809	58.09
Total Potential THC		0.168	1.679
Total Potential CBD		5.542	55.42
Total Potential CBG		N/A	N/A



Cannabinoids (% weight)



Ratio of Total Potential CBD to Total Potential THC 32.99 : 1

Ratio of Total Potential CBG to Total Potential THC N/A

*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.



Authorized Signature

Jamie Hobgood

Laboratory Manager

03/22/2021 1:26 PM

DATE

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Sample ID: 210316004
 Sample Name: Mandarin Turmeric Hemp
 Sample Type: Topical

Certificate of Analysis

Customer

Palmetto Synergistic Research
 8856 Pee Dee Hwy
 Conway, SC 29527



Overall Batch Results	
Pesticide	Moisture Content
Potency	Water Activity
Mycotoxins	Heavy Metals
Microbial Screen	Residual Solvents
Terpenoids	

Sample Name: Mandarin Turmeric Hemp
 Body oil
 Sample ID: 210316004
 Product Type: Topical
 Sample Type: Topical
 Collected Date:
 Received Date: 03/16/2021
 Batch Number: CE21071
 Batch Size:
 Sample Size:
 COA released: 03/22/2021 1:26 PM

Potency (mg/g)

Date Tested: 03/16/2021

Method: CB-SOP-028

Instrument:

0.168 %	5.542 %	5.809 %	58.09 mg/g
Total THC	Total CBD	Total Cannabinoids	Total Cannabinoids

Analyte	Result	Units	LOQ	Result	Units
CBC (Cannabichromene)	0.025	%	0.010	0.249	mg/g
CBD (Cannabidiol)	5.542	%	0.010	55.42	mg/g
CBDa (Cannabidiolic Acid)	ND	%	0.010	ND	mg/g
CBDV (Cannabidivarin)	0.063	%	0.010	0.632	mg/g
CBG (Cannabigerol)	ND	%	0.010	ND	mg/g
CBGa (Cannabigerolic Acid)	ND	%	0.010	ND	mg/g
CBN (Cannabinol)	0.011	%	0.010	0.109	mg/g
D8-THC (D8-Tetrahydrocannabinol)	ND	%	0.010	ND	mg/g
D9-THC (D9-Tetrahydrocannabinol)	0.168	%	0.010	1.679	mg/g
THCa (Tetrahydrocannabinolic Acid)	ND	%	0.010	ND	mg/g

Pesticides

Date Tested: 03/17/2021

Method: CB-SOP-025

Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Acephate	NT	ppm	0.010		Acetamiprid	NT	ppm	0.010	
Aldicarb	NT	ppm	0.010		Azoxystrobin	ND	ppm	0.010	
Bifenazate	ND	ppm	0.010		Bifenthrin	ND	ppm	0.010	
Boscalid	NT	ppm	0.010		Carbaryl	NT	ppm	0.010	
Carbofuran	NT	ppm	0.010		Chlorantraniliprole	NT	ppm	0.010	
Chlorpyrifos	NT	ppm	0.010		Clofentezine	NT	ppm	0.010	
Coumaphos	NT	ppm	0.010		Daminozide	NT	ppm	0.010	
Diazinon	NT	ppm	0.010		Dichlorvos	ND	ppm	0.010	
Dimethoate	NT	ppm	0.010		Etofenprox	NT	ppm	0.010	
Etoxadole	ND	ppm	0.010		Fenhexamid	NT	ppm	0.010	
Fenoxycarb	ND	ppm	0.010		Fenpyroximate	NT	ppm	0.010	
Fipronil	NT	ppm	0.010		Flonicamid	NT	ppm	0.010	
Fludioxonil	NT	ppm	0.010		Hexythiazox	NT	ppm	0.010	
Imazalil	ND	ppm	0.010		Imidacloprid	ND	ppm	0.010	
Malathion	NT	ppm	0.010		Metalaxyl	NT	ppm	0.010	

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

CannaBusiness Laboratories
 License # P-0059: (859)-514- 6999 <https://www.cannabusinesslabs.us>

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Sample ID: 210316004
Sample Name: Mandarin Turmeric Hemp
Sample Type: Boplycail

Certificate of Analysis

Pesticides		
Date Tested: 03/17/2021	Method: CB-SOP-025	Instrument:

Analyte	Result	Units	LOQ	Result	Analyte	Result	Units	LOQ	Result
Methiocarb	NT	ppm	0.010		Methomyl	NT	ppm	0.010	
Myclobutanil	ND	ppm	0.010		Naled	NT	ppm	0.010	
Oxamyl	NT	ppm	0.010		Paclobutrazol	ND	ppm	0.010	
Phosmet	NT	ppm	0.010		Prallethrin	NT	ppm	0.010	
Propiconazole	NT	ppm	0.010		Propoxur	NT	ppm	0.010	
Pyrethrin I	ND	ppm	0.010		Pyrethrin II	ND	ppm	0.010	
Pyridaben	NT	ppm	0.010		Spinetoram	NT	ppm	0.010	
Spiromesifen	ND	ppm	0.010		Spirotetramat	ND	ppm	0.010	
Tebuconazole	NT	ppm	0.010		Thiacloprid	NT	ppm	0.010	
Thiamethoxam	NT	ppm	0.010		Trifloxystrobin	ND	ppm	0.010	
Ethoprophos	NT	ppm	0.010		Kresoxym-methyl	NT	ppm	0.010	
Permethrins	NT	ppm	0.010		Piperonyl Butoxide	ND	ppm	0.010	
Spinosyn A	ND	ppm	0.010		Spiroxamine-1	NT	ppm	0.010	
AbamectinB1a	NT	ppm	0.010		Spinosyn D	ND	ppm	0.010	

Mycotoxins		
Date Tested: 03/17/2021	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: 03/22/2021	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: 03/19/2021	Method:	Instrument:

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



Authorized Signature

J. Hobgood
Laboratory Manager

Jamie Hobgood

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Date Time

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