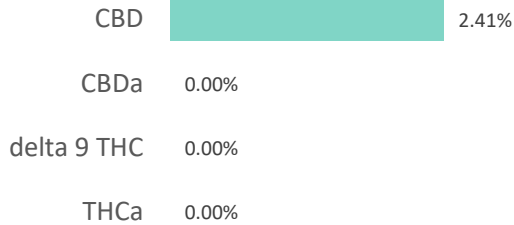
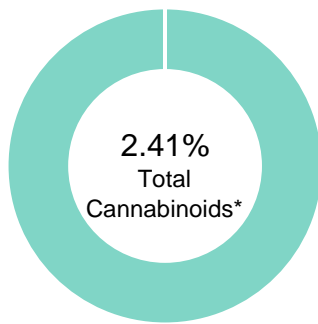


**CBD SPORT CREAM**

<b>Batch ID:</b>	1120	<b>Test ID:</b>	7708906.0014
<b>Reported:</b>	20-Dec-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.00	0.0
Cannabidiolic acid (CBDA)	0.02	0.00	0.0
Cannabidiol (CBD)	0.01	2.41	24.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	0.00	0.0
Cannabinolic Acid (CBNA)	0.02	0.00	0.0
Cannabinol (CBN)	0.01	0.00	0.0
Cannabigerolic acid (CBGA)	0.01	0.00	0.0
Cannabigerol (CBG)	0.01	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.01	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.01	0.00	0.0
Cannabivarinic Acid (CBDVA)	0.01	0.00	0.0
Cannabivarin (CBDV)	0.01	0.00	0.0
Cannabichromenic Acid (CBCA)	0.01	0.00	0.0
Cannabichromene (CBC)	0.01	0.00	0.0
<b>Total Cannabinoids</b>		<b>2.41</b>	<b>24.10</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		2.41	24.10

**NOTES:**

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)


\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Daniel Weidensaul  
20-Dec-2019  
3:47 PM

PREPARED BY / DATE



David Green  
20-Dec-2019  
4:48 PM

APPROVED BY / DATE

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**CBD SPORT CREAM**

<b>Batch ID:</b>	1120	<b>Test ID:</b>	4091657.013
<b>Reported:</b>	20-Dec-2019	<b>Method:</b>	Topical - Test Methods: TM05, TM06
<b>Type:</b>	Topical		
<b>Test:</b>	Microbial Contaminants		

**MICROBIAL CONTAMINANTS**

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b><i>E. coli</i></b>	None Detected
<b><i>Salmonella</i></b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU


## NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

**FINAL APPROVAL**  
Mara Miller  
20-Dec-2019  
3:44 PM  
David Green  
20-Dec-2019  
4:51 PM

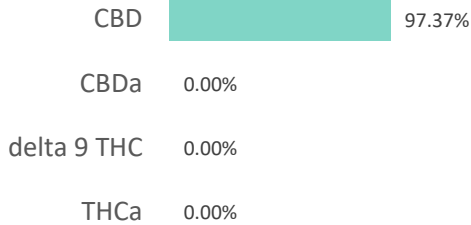
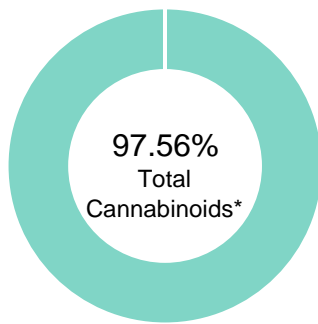
PREPARED BY / DATE

APPROVED BY / DATE

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**CBD Powder**

<b>Batch ID:</b>	101619	<b>Test ID:</b>	9040312.005
<b>Reported:</b>	7-Nov-2019	<b>Method:</b>	TM14
<b>Type:</b>	Concentrate		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.20	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	0.00	0.0
Cannabidiolic acid (CBDA)	0.33	0.00	0.0
Cannabidiol (CBD)	0.18	97.37	973.7
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	0.00	0.0
Cannabinolic Acid (CBNA)	0.27	0.00	0.0
Cannabinol (CBN)	0.12	0.00	0.0
Cannabigerolic acid (CBGA)	0.17	0.00	0.0
Cannabigerol (CBG)	0.10	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.17	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.09	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.31	0.00	0.0
Cannabidivarin (CBDV)	0.17	0.19	1.9
Cannabichromenic Acid (CBCA)	0.15	0.00	0.0
Cannabichromene (CBC)	0.18	0.00	0.0
<b>Total Cannabinoids</b>		<b>97.56</b>	<b>975.60</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		97.37	973.70


**NOTES:**

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)


\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
**FINAL APPROVAL**


Tyler Wiese  
6-Nov-2019  
7:57 PM

PREPARED BY / DATE



David Green  
7-Nov-2019  
8:03 AM

APPROVED BY / DATE

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## CBD Powder

<b>Batch ID:</b>	101619	<b>Test ID:</b>	6798002.046
<b>Reported:</b>	4-Nov-2019	<b>Method:</b>	Concentrate - Test Methods: TM05, TM06
<b>Type:</b>	Concentrate		
<b>Test:</b>	Microbial Contaminants		

## MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
<b>Total Aerobic Count**</b>	None Detected
<b>Total Coliforms**</b>	None Detected
<b>Total Yeast and Molds**</b>	None Detected
<b><i>E. coli</i></b>	None Detected
<b><i>Salmonella</i></b>	None Detected

\* CFU/g = Colony Forming Unit per Gram

\*\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:  $10^2 = 100$  CFU  
 $10^3 = 1,000$  CFU  
 $10^4 = 10,000$  CFU  
 $10^5 = 100,000$  CFU

## NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected

Coliforms: None Detected

## FINAL APPROVAL

*Samantha N. Pauly*  
Samantha Pauly  
4-Nov-2019  
11:19 AM

*David Green*  
David Green  
4-Nov-2019  
11:37 AM

PREPARED BY / DATE

APPROVED BY / DATE

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## CBD Powder

<b>Batch ID:</b>	101619	<b>Test ID:</b>	6804731.005
<b>Reported:</b>	6-Nov-2019	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

## RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

## NOTES:

Free from visual mold, mildew, and foreign matter.

## FINAL APPROVAL

Karen Winternheimer  
6-Nov-2019  
1:44 PMDavid Green  
6-Nov-2019  
1:47 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**CBD Powder**

<b>Batch ID:</b>	101619	<b>Test ID:</b>	1108045.0054
<b>Reported:</b>	4-Nov-2019	<b>Method:</b>	TM17
<b>Type:</b>	Concentrate		
<b>Test:</b>	Pesticides		


**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	68 - 3161	ND*	Malathion	68 - 3161	ND*
Acetamiprid	68 - 3161	ND*	Metalaxyl	410 - 3161	ND*
Avermectin	410 - 3161	ND*	Methiocarb	68 - 3161	ND*
Azoxystrobin	68 - 3161	ND*	Methomyl	68 - 3161	ND*
Bifenazate	68 - 3161	ND*	MGK 264 1	68 - 3161	ND*
Boscalid	410 - 3161	ND*	MGK 264 2	410 - 3161	ND*
Carbaryl	68 - 3161	ND*	Myclobutanil	410 - 3161	ND*
Carbofuran	68 - 3161	ND*	Naled	410 - 3161	ND*
Chlorantraniliprole	68 - 3161	ND*	Oxamyl	68 - 3161	ND*
Chlorpyrifos	410 - 3161	ND*	Paclobutrazol	68 - 3161	ND*
Clofentezine	68 - 3161	ND*	Permethrin	410 - 3161	ND*
Diazinon	68 - 3161	ND*	Phosmet	68 - 3161	ND*
Dichlorvos	410 - 3161	ND*	Prophos	410 - 3161	ND*
Dimethoate	68 - 3161	ND*	Propoxur	410 - 3161	ND*
E-Fenpyroximate	410 - 3161	ND*	Pyridaben	410 - 3161	ND*
Etofenprox	410 - 3161	ND*	Spinosad A	68 - 3161	ND*
Etoxazole	410 - 3161	ND*	Spinosad D	410 - 3161	ND*
Fenoxycarb	68 - 3161	ND*	Spiromesifen	68 - 3161	ND*
Fipronil	410 - 3161	ND*	Spirotetramat	410 - 3161	ND*
Flonicamid	68 - 3161	ND*	Spiroxamine 1	68 - 3161	ND*
Fludioxonil	410 - 3161	ND*	Spiroxamine 2	68 - 3161	ND*
Hexythiazox	410 - 3161	ND*	Tebuconazole	68 - 3161	ND*
Imazalil	410 - 3161	ND*	Thiacloprid	68 - 3161	ND*
Imidacloprid	68 - 3161	ND*	Thiamethoxam	68 - 3161	ND*
Kresoxim-methyl	68 - 3161	ND*	Trifloxystrobin	410 - 3161	ND*

\* ND = None Detected (Defined by Dynamic Range of the method)

N/A

**FINAL APPROVAL**

  
**Sam Smith**  
 4-Nov-2019  
 7:20 AM  
 PREPARED BY / DATE

  
**David Green**  
 4-Nov-2019  
 8:14 AM  
 APPROVED BY / DATE

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## CBD Powder

<b>Batch ID:</b>	101619	<b>Test ID:</b>	T000029332
<b>Reported:</b>	15-Nov-2019	<b>Method:</b>	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

## HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

## FINAL APPROVAL

 Alex Smith  
15-Nov-2019  
6:47 AM

PREPARED BY / DATE

 David Green  
15-Nov-2019  
8:09 AM

APPROVED BY / DATE

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