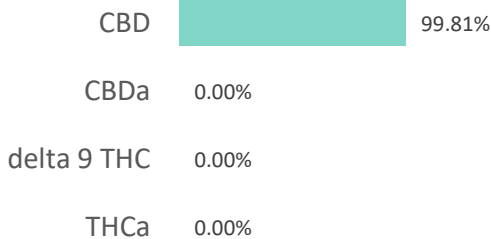
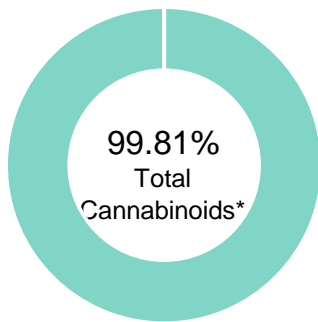


**CBD Isolate Extract 99%**

<b>Batch ID:</b>	100000	<b>Test ID:</b>	2012083.0052
<b>Reported:</b>	8-Jul-2020	<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)	0.21	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.10	ND	ND
Cannabidiolic acid (CBDA)	0.31	ND	ND
Cannabidiol (CBD)	0.18	99.81	998.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.11	ND	ND
Cannabinolic Acid (CBNA)	0.29	ND	ND
Cannabinol (CBN)	0.13	ND	ND
Cannabigerolic acid (CBGA)	0.18	ND	ND
Cannabigerol (CBG)	0.10	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.18	ND	ND
Tetrahydrocannabivarin (THCV)	0.09	ND	ND
Cannabidivarinic Acid (CBDVA)	0.29	ND	ND
Cannabidivarin (CBDV)	0.16	ND	ND
Cannabichromenic Acid (CBCA)	0.16	ND	ND
Cannabichromene (CBC)	0.19	ND	ND
<b>Total Cannabinoids</b>		<b>99.81</b>	<b>998.10</b>
Total Potential THC**		ND	ND
Total Potential CBD**		99.81	998.10

**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.

Total THC = THC + (THCa \* (0.877)) and Total CBD = CBD + (CBDa \* (0.877))

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

**FINAL APPROVAL**


 Michelle Gagnon  
 8-Jul-2020  
 2:25 PM



 Greg Zimpfer  
 8-Jul-2020  
 2:30 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

**CBD Isolate Extract 99%**

<b>Batch ID:</b>	100000	<b>Test ID:</b>	4587965.0038
<b>Reported:</b>	8-Jul-2020	<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	53 - 2296	ND*	Malathion	275 - 2296	ND*
Acetamiprid	45 - 2296	ND*	Metalaxyl	47 - 2296	ND*
Abamectin	>305	ND*	Methiocarb	40 - 2296	ND*
Azoxystrobin	43 - 2296	ND*	Methomyl	43 - 2296	ND*
Bifenazate	47 - 2296	ND*	MGK 264 1	168 - 2296	ND*
Boscalid	46 - 2296	ND*	MGK 264 2	92 - 2296	ND*
Carbaryl	40 - 2296	ND*	Myclobutanil	46 - 2296	ND*
Carbofuran	40 - 2296	ND*	Naled	47 - 2296	ND*
Chlorantraniliprole	46 - 2296	ND*	Oxamyl	39 - 2296	ND*
Chlorpyrifos	42 - 2296	ND*	Paclobutrazol	43 - 2296	ND*
Clofentezine	281 - 2296	ND*	Permethrin	290 - 2296	ND*
Diazinon	269 - 2296	ND*	Phosmet	45 - 2296	ND*
Dichlorvos	>298	ND*	Prophos	255 - 2296	ND*
Dimethoate	49 - 2296	ND*	Propoxur	41 - 2296	ND*
E-Fenpyroximate	22 - 2296	ND*	Pyridaben	36 - 2296	ND*
Etofenprox	38 - 2296	ND*	Spinosad A	31 - 2296	ND*
Etoxazole	271 - 2296	ND*	Spinosad D	71 - 2296	ND*
Fenoxycarb	>45	ND*	Spiromesifen	>254	ND*
Fipronil	49 - 2296	ND*	Spirotetramat	>278	ND*
Flonicamid	46 - 2296	ND*	Spiroxamine 1	16 - 2296	ND*
Fludioxonil	>263	ND*	Spiroxamine 2	24 - 2296	ND*
Hexythiazox	39 - 2296	ND*	Tebuconazole	276 - 2296	ND*
Imazalil	260 - 2296	ND*	Thiacloprid	45 - 2296	ND*
Imidacloprid	44 - 2296	ND*	Thiamethoxam	43 - 2296	ND*
Kresoxim-methyl	44 - 2296	ND*	Trifloxystrobin	45 - 2296	ND*

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

N/A

**FINAL APPROVAL**

  
 Taylor Brevik  
 8-Jul-2020  
 4:02 PM  
 PREPARED BY / DATE

  
 Greg Zimpfer  
 8-Jul-2020  
 8:14 PM  
 APPROVED BY / DATE

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**CBD Isolate Extract 99%**

<b>Batch ID:</b>	100000	<b>Test ID:</b>	T000084541
<b>Reported:</b>	6-Jul-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

**RESIDUAL SOLVENTS**

Solvent	Dynamic Range (ppm)	Result (ppm)
<b>Propane</b>	82 - 1634	*ND
<b>Butanes</b> (Isobutane, n-Butane)	147 - 2945	*ND
<b>Methanol</b>	53 - 1053	*ND
<b>Pentane</b>	82 - 1632	*ND
<b>Ethanol</b>	83 - 1657	95
<b>Acetone</b>	85 - 1691	*ND
<b>Isopropyl Alcohol</b>	90 - 1805	*ND
<b>Hexane</b>	5 - 104	*ND
<b>Ethyl Acetate</b>	85 - 1707	*ND
<b>Benzene</b>	0.2 - 3.4	*ND
<b>Heptanes</b>	82 - 1635	1040
<b>Toluene</b>	15 - 304	*ND
<b>Xylenes</b> (m,p,o-Xylenes)	110 - 2196	*ND

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

NOTES:  
N/A**FINAL APPROVAL**Daniel Weidensaul  
6-Jul-2020  
4:31 PMBen Minton  
6-Jul-2020  
6:35 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

## CBD Isolate Extract 99%

<b>Batch ID:</b>	100000	<b>Test ID:</b>	T000084544
<b>Reported:</b>	9-Jul-2020	<b>Method:</b>	TM19
<b>Type:</b>	Concentrate		
<b>Test:</b>	Metals		

## HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.062 - 6.23	ND
Cadmium	0.062 - 6.15	ND
Mercury	0.062 - 6.23	ND
Lead	0.063 - 6.30	ND

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

## FINAL APPROVAL

Alex Smith  
9-Jul-2020  
6:05 AM

PREPARED BY / DATE

Greg Zimpfer  
9-Jul-2020  
11:18 AM

APPROVED BY / DATE

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## CBD Isolate Extract 99%

<b>Batch ID:</b>	100000	<b>Test ID:</b>	T000084542
<b>Reported:</b>	10-Jul-2020	<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

  
Nick Tumminaro  
10-Jul-2020  
1:49 PM  
Greg Zimpfer  
10-Jul-2020  
6:18 PM

PREPARED BY / DATE

APPROVED BY / DATE

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