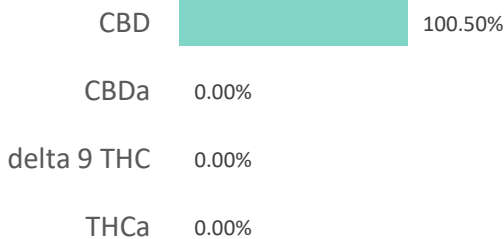
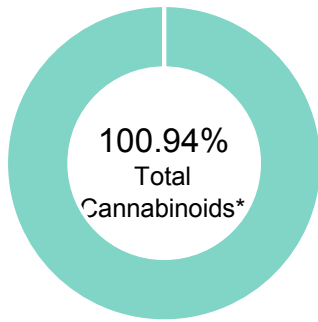


### ISOLATE

<b>Batch ID:</b>	04082020iso	<b>Test ID:</b>	4090284.0010
<b>Reported:</b>	08-Apr-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)	0.16	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	ND	ND
Cannabidiolic acid (CBDA)	0.26	ND	ND
Cannabidiol (CBD)	0.15	100.50	1005.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	ND	ND
Cannabinolic Acid (CBNA)	0.22	ND	ND
Cannabinol (CBN)	0.10	ND	ND
Cannabigerolic acid (CBGA)	0.14	ND	ND
Cannabigerol (CBG)	0.08	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.14	ND	ND
Tetrahydrocannabivarin (THCV)	0.07	ND	ND
Cannabidivarinic Acid (CBDVA)	0.24	ND	ND
Cannabidivarin (CBDV)	0.13	0.44	4.4
Cannabichromenic Acid (CBCA)	0.12	ND	ND
Cannabichromene (CBC)	0.14	ND	ND
<b>Total Cannabinoids</b>		<b>100.94</b>	<b>1009.40</b>
Total Potential THC**		ND	ND
Total Potential CBD**		100.50	1005.00

% = % (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)

NOTES:  
N/A

### FINAL APPROVAL

  
 Daniel Weidensaul  
 08-APR-2020  
 3:50 PM

  
 Greg Zimpfer  
 08-APR-2020  
 7:06 PM

PREPARED BY / DATE

APPROVED BY / DATE

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**Crude**


<b>Batch ID:</b>	PM0325OIG	<b>Test ID:</b>	T000068003
<b>Reported:</b>	30-MARCH-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>	105 - 2097	*ND
<b>Butanes</b> (Isobutane, n-Butane)	206 - 4129	*ND
<b>Methanol</b>	72 - 1439	*ND
<b>Pentane</b>	112 - 2238	*ND
<b>Ethanol</b>	109 - 2186	*ND
<b>Acetone</b>	118 - 2360	*ND
<b>Isopropyl Alcohol</b>	124 - 2485	*ND
<b>Hexane</b>	7 - 145	*ND
<b>Ethyl Acetate</b>	119 - 2381	*ND
<b>Benzene</b>	0.2 - 4.8	*ND
<b>Heptanes</b>	115 - 2305	*ND
<b>Toluene</b>	21 - 429	*ND
<b>Xylenes</b> (m,p,o-Xylenes)	154 - 3082	*ND

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

 NOTES:  
 N/A

**FINAL APPROVAL**

 Tyler Wiese  
 30-MARCH-2020  
 2:32 PM  
 PREPARED BY / DATE


 David Green  
 30-MARCH-2020  
 2:41 PM  
 APPROVED BY / DATE

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Certificate #4329.02

**Bio Mas**

<b>Batch ID:</b>	PM0325OIG	<b>Test ID:</b>	9377317.003
<b>Reported:</b>	30-MARCH-2020	<b>Method:</b>	TM16
<b>Type:</b>	CBD ISOLATE		
<b>Test:</b>	Pesticides		


**PESTICIDE RESIDUE**


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	52 - 2401	ND*	Malathion	311 - 2401	ND*
Acetamiprid	52 - 2401	ND*	Metalaxyl	311 - 2401	ND*
Abamectin	>311	ND*	Methiocarb	52 - 2401	ND*
Azoxystrobin	52 - 2401	ND*	Methomyl	52 - 2401	ND*
Bifenazate	311 - 2401	ND*	MGK 264 1	311 - 2401	ND*
Boscalid	311 - 2401	ND*	MGK 264 2	311 - 2401	ND*
Carbaryl	52 - 2401	ND*	Myclobutanil	52 - 2401	ND*
Carbofuran	52 - 2401	ND*	Naled	311 - 2401	ND*
Chlorantraniliprole	311 - 2401	ND*	Oxamyl	52 - 2401	ND*
Chlorpyrifos	311 - 2401	ND*	Paclobutrazol	52 - 2401	ND*
Clofentezine	311 - 2401	ND*	Permethrin	311 - 2401	ND*
Diazinon	311 - 2401	ND*	Phosmet	311 - 2401	ND*
Dichlorvos	>311	ND*	Prophos	311 - 2401	ND*
Dimethoate	52 - 2401	ND*	Propoxur	52 - 2401	ND*
E-Fenpyroximate	311 - 2401	ND*	Pyridaben	52 - 2401	ND*
Etofenprox	52 - 2401	ND*	Spinosad A	52 - 2401	ND*
Etoxazole	52 - 2401	ND*	Spinosad D	52 - 2401	ND*
Fenoxycarb	>311	ND*	Spiromesifen	>52	ND*
Fipronil	311 - 2401	ND*	Spirotetramat	>311	ND*
Flonicamid	52 - 2401	ND*	Spiroxamine 1	52 - 2401	ND*
Fludioxonil	>311	ND*	Spiroxamine 2	52 - 2401	ND*
Hexythiazox	311 - 2401	ND*	Tebuconazole	311 - 2401	ND*
Imazalil	52 - 2401	ND*	Thiacloprid	52 - 2401	ND*
Imidacloprid	52 - 2401	ND*	Thiamethoxam	52 - 2401	ND*
Kresoxim-methyl	311 - 2401	ND*	Trifloxystrobin	52 - 2401	ND*

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

N/A

**FINAL APPROVAL**

  
 Tyler Wiese  
 30-MARCH-2020  
 3:58 PM  
 PREPARED BY / DATE

  
 Greg Zimpfer  
 30-MARCH-2020  
 8:01 PM  
 APPROVED BY / DATE

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## Crude

<b>Batch ID:</b>	PM03250IG	<b>Test ID:</b>	T000069329
<b>Reported:</b>	30-Mar-2020	<b>Method:</b>	Concentrate - Test Methods: TM05, TM06
<b>Type:</b>	CBD ISOLATE		
<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>E. coli</b>	None Detected
<b>Salmonella</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

  
Robert Belfon  
30-Mar-2020  
4:48 PM  
David Green  
30-Mar-2020  
5:05 PM

PREPARED BY / DATE

APPROVED BY / DATE

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