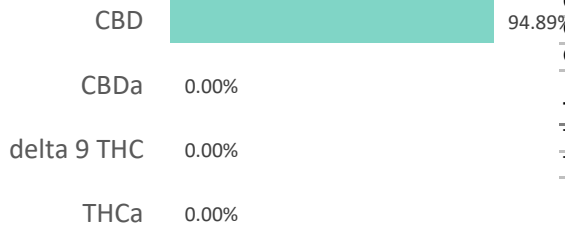
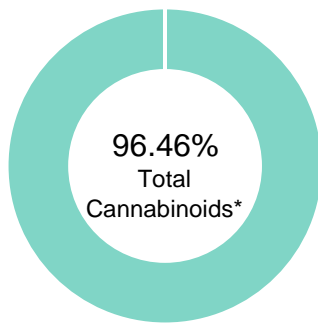


N/A

<b>Batch ID:</b>	HP-01-018	<b>Test ID:</b>	2032133.0028
<b>Reported:</b>	21-Jan-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)	0.23	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.12	0.00	0.0
Cannabidiolic acid (CBDA)	0.29	0.00	0.0
Cannabidiol (CBD)	0.16	94.89	948.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.13	0.00	0.0
Cannabinolic Acid (CBNA)	0.32	0.00	0.0
Cannabinol (CBN)	0.14	0.00	0.0
Cannabigerolic acid (CBGA)	0.20	0.00	0.0
Cannabigerol (CBG)	0.11	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.20	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.10	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.27	0.00	0.0
Cannabidivarin (CBDV)	0.15	0.49	4.9
Cannabichromenic Acid (CBCA)	0.17	0.00	0.0
Cannabichromene (CBC)	0.21	1.08	10.8
<b>Total Cannabinoids</b>		<b>96.46</b>	<b>964.60</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		94.89	948.90


% = % (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.


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

N/A

**FINAL APPROVAL**


Michelle Gagnon  
21-Jan-2020  
11:42 AM

PREPARED BY / DATE



Greg Zimpfer  
21-Jan-2020  
12:20 PM

APPROVED BY / DATE

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N/A

<b>Batch ID:</b>	HP-01-018	<b>Test ID:</b>	T000053291
<b>Reported:</b>	30-Jan-2020	<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

Sam Smith  
30-Jan-2020  
5:37 AM

PREPARED BY / DATE

Greg Zimpfer  
30-Jan-2020  
4:14 PM

APPROVED BY / DATE

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N/A

<b>Batch ID:</b>	HP-01-018	<b>Test ID:</b>	6403043.014
<b>Reported:</b>	21-Jan-2020	<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	99
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

 Alex Smith 21-Jan-2020 2:23 PM	 Greg Zimpfer 21-Jan-2020 4:39 PM
--	---

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

N/A

<b>Batch ID:</b>	HP-01-018	<b>Test ID:</b>	5167494.0053
<b>Reported:</b>	21-Jan-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	57 - 2658	ND*	Malathion	57 - 2658	ND*
Acetamiprid	57 - 2658	ND*	Metalaxyl	345 - 2658	ND*
Avermectin	345 - 2658	ND*	Methiocarb	57 - 2658	ND*
Azoxystrobin	57 - 2658	ND*	Methomyl	57 - 2658	ND*
Bifenazate	57 - 2658	N/A	MGK 264 1	57 - 2658	ND*
Boscalid	345 - 2658	ND*	MGK 264 2	345 - 2658	ND*
Carbaryl	57 - 2658	ND*	Myclobutanil	345 - 2658	ND*
Carbofuran	57 - 2658	ND*	Naled	345 - 2658	ND*
Chlorantraniliprole	57 - 2658	ND*	Oxamyl	57 - 2658	ND*
Chlorpyrifos	345 - 2658	ND*	Paclobutrazol	57 - 2658	ND*
Clofentezine	57 - 2658	ND*	Permethrin	345 - 2658	ND*
Diazinon	57 - 2658	ND*	Phosmet	57 - 2658	ND*
Dichlorvos	345 - 2658	ND*	Prophos	345 - 2658	ND*
Dimethoate	57 - 2658	ND*	Propoxur	345 - 2658	ND*
E-Fenpyroximate	345 - 2658	ND*	Pyridaben	345 - 2658	ND*
Etofenprox	345 - 2658	ND*	Spinosad A	57 - 2658	ND*
Etoxazole	345 - 2658	ND*	Spinosad D	345 - 2658	ND*
Fenoxycarb	57 - 2658	ND*	Spiromesifen	57 - 2658	ND*
Fipronil	345 - 2658	ND*	Spirotetramat	345 - 2658	ND*
Flonicamid	57 - 2658	ND*	Spiroxamine 1	57 - 2658	ND*
Fludioxonil	345 - 2658	ND*	Spiroxamine 2	57 - 2658	ND*
Hexythiazox	345 - 2658	ND*	Tebuconazole	57 - 2658	ND*
Imazalil	345 - 2658	ND*	Thiacloprid	57 - 2658	ND*
Imidacloprid	57 - 2658	ND*	Thiamethoxam	57 - 2658	ND*
Kresoxim-methyl	57 - 2658	ND*	Trifloxystrobin	345 - 2658	ND*


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

N/A

**FINAL APPROVAL**

  
 Sam Smith  
 21-Jan-2020  
 12:31 PM

PREPARED BY / DATE

  
 Greg Zimpfer  
 21-Jan-2020  
 12:58 PM

APPROVED BY / DATE

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N/A

<b>Batch ID:</b>	HP-01-018	<b>Test ID:</b>	T000053290
<b>Reported:</b>	20-Jan-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



Robert Belfon  
20-Jan-2020  
3:29 PM



Greg Zimpfer  
20-Jan-2020  
5:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

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