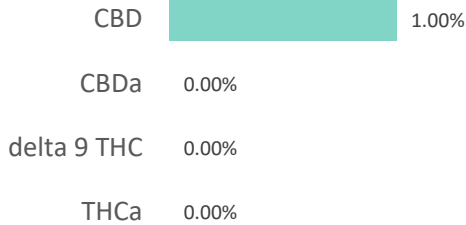
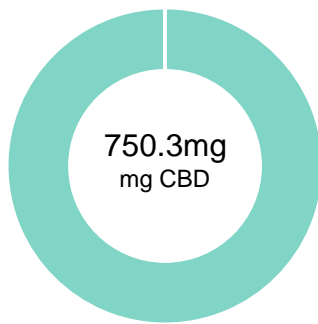


**DEFY MUSCLE BALM**

<b>Batch ID:</b>	1220J1	<b>Test ID:</b>	4480848.002
<b>Reported:</b>	7-Feb-2020	<b>Method:</b>	TM14
<b>Type:</b>	Topical		
<b>Test:</b>	Potency		

**CANNABINOID PROFILE**


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	9.65	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	4.82	0.00	0.0
Cannabidiolic acid (CBDA)	11.30	0.00	0.0
Cannabidiol (CBD)	6.32	750.30	10.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	5.28	0.00	0.0
Cannabinolic Acid (CBNA)	13.23	0.00	0.0
Cannabinol (CBN)	5.86	0.00	0.0
Cannabigerolic acid (CBGA)	8.43	0.00	0.0
Cannabigerol (CBG)	4.75	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	8.28	0.00	0.0
Tetrahydrocannabivarin (THCV)	4.30	0.00	0.0
Cannabidivarinic Acid (CBDVA)	10.51	0.00	0.0
Cannabidivarin (CBDV)	5.75	0.00	0.0
Cannabichromenic Acid (CBCA)	7.23	0.00	0.0
Cannabichromene (CBC)	8.72	0.00	0.0
<b>Total Cannabinoids</b>		<b>750.30</b>	<b>10.00</b>
Total Potential THC**		0.00	0.00
Total Potential CBD**		750.30	10.00

**NOTES:**


# of Servings = 1, Sample Weight=75g

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**


Michelle Gagnon  
7-Feb-2020  
12:31 PM

PREPARED BY / DATE



Greg Zimpfer  
7-Feb-2020  
12:41 PM

APPROVED BY / DATE

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**Muscle Balm**

<b>Batch ID:</b>	1220J1	<b>Test ID:</b>	7391813.0023
<b>Reported:</b>	12-May-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	55 - 2568	ND*	Malathion	333 - 2568	ND*
Acetamiprid	55 - 2568	ND*	Metalaxyl	55 - 2568	ND*
Abamectin	>333	ND*	Methiocarb	55 - 2568	ND*
Azoxystrobin	55 - 2568	ND*	Methomyl	55 - 2568	ND*
Bifenazate	55 - 2568	ND*	MGK 264 1	333 - 2568	ND*
Boscalid	55 - 2568	ND*	MGK 264 2	333 - 2568	ND*
Carbaryl	55 - 2568	ND*	Myclobutanil	55 - 2568	ND*
Carbofuran	55 - 2568	ND*	Naled	55 - 2568	ND*
Chlorantraniliprole	55 - 2568	ND*	Oxamyl	55 - 2568	ND*
Chlorpyrifos	55 - 2568	ND*	Paclobutrazol	55 - 2568	ND*
Clofentezine	333 - 2568	ND*	Permethrin	333 - 2568	ND*
Diazinon	333 - 2568	ND*	Phosmet	55 - 2568	ND*
Dichlorvos	>333	ND*	Prophos	333 - 2568	ND*
Dimethoate	55 - 2568	ND*	Propoxur	55 - 2568	ND*
E-Fenpyroximate	55 - 2568	ND*	Pyridaben	55 - 2568	ND*
Etofenprox	55 - 2568	ND*	Spinosad A	55 - 2568	ND*
Etoxazole	333 - 2568	ND*	Spinosad D	333 - 2568	ND*
Fenoxycarb	>55	ND*	Spiromesifen	>333	ND*
Fipronil	55 - 2568	ND*	Spirotetramat	>333	ND*
Flonicamid	55 - 2568	ND*	Spiroxamine 1	55 - 2568	ND*
Fludioxonil	>333	ND*	Spiroxamine 2	55 - 2568	ND*
Hexythiazox	55 - 2568	ND*	Tebuconazole	333 - 2568	ND*
Imazalil	333 - 2568	ND*	Thiacloprid	55 - 2568	ND*
Imidacloprid	55 - 2568	ND*	Thiamethoxam	55 - 2568	ND*
Kresoxim-methyl	55 - 2568	ND*	Trifloxystrobin	55 - 2568	ND*

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

N/A

**FINAL APPROVAL**


Tyler Wiese  
 12-May-2020  
 6:36 PM

PREPARED BY / DATE



Ben Minton  
 12-May-2020  
 8:00 PM

APPROVED BY / DATE

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**Muscle Balm**

<b>Batch ID:</b>	1220J1	<b>Test ID:</b>	T000074899
<b>Reported:</b>	13-May-2020	<b>Method:</b>	TM04
<b>Type:</b>	Concentrate		
<b>Test:</b>	Residual Solvents		

**RESIDUAL SOLVENTS**

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	73 - 1452	*ND
Butanes (Isobutane, n-Butane)	132 - 2632	*ND
Methanol	53 - 1064	*ND
Pentane	82 - 1637	*ND
Ethanol	79 - 1576	*ND
Acetone	87 - 1737	*ND
Isopropyl Alcohol	89 - 1789	*ND
Hexane	5 - 105	*ND
Ethyl Acetate	87 - 1736	*ND
Benzene	0.2 - 3.4	*ND
Heptanes	82 - 1647	*ND
Toluene	15 - 308	*ND
Xylenes (m,p,o-Xylenes)	110 - 2195	*ND

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

NOTES:  
N/A**FINAL APPROVAL**Tyler Wiese  
13-May-2020  
2:38 PMBen Minton  
13-May-2020  
3:40 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02


**Muscle Balm**

<b>Batch ID:</b>	1220J1	<b>Test ID:</b>	T000074902
<b>Reported:</b>	12-May-2020	<b>Method:</b>	TM19
<b>Type:</b>	Other		
<b>Test:</b>	Metals		

**HEAVY METALS**

Analyte	Dynmic Range (ppm)	Result (ppm)
Arsenic	0.116 - 11.60	ND
Cadmium	0.115 - 11.40	ND
Mercury	0.110 - 10.90	ND
Lead	0.049 - 4.91	ND

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

**FINAL APPROVAL**

Ryan Weems  
12-May-2020  
5:39 PM

PREPARED BY / DATE



Ben Minton  
12-May-2020  
7:46 PM

APPROVED BY / DATE

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**Muscle Balm**

<b>Batch ID:</b>	1220J1	<b>Test ID:</b>	T000074900
<b>Reported:</b>	14-May-2020	<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>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**  
Mara Miller  
14-May-2020  
1:28 PM  
Ben Minton  
14-May-2020  
2:50 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03