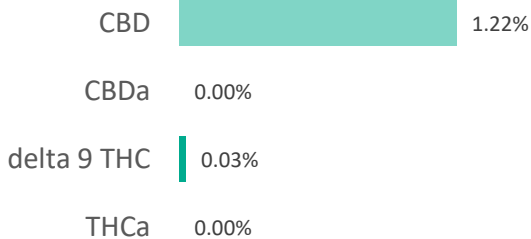
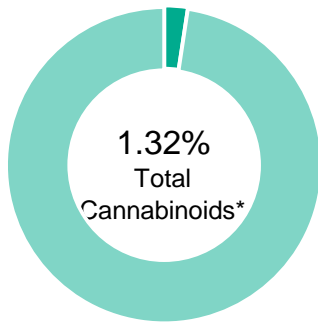


Muscle Relief Cooling Cream

Batch ID:	AG MRCC 005	Test ID:	7411588.0010
Reported:	3-Jun-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.01	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.01	0.03	0.3
Cannabidiolic acid (CBDA)	0.01	ND	ND
Cannabidiol (CBD)	0.01	1.22	12.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.01	ND	ND
Cannabinolic Acid (CBNA)	0.02	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.01	ND	ND
Cannabigerol (CBG)	0.01	0.03	0.3
Tetrahydrocannabivarinic Acid (THCVA)	0.01	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.01	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.01	ND	ND
Cannabichromene (CBC)	0.01	0.04	0.4
Total Cannabinoids		1.32	13.20
Total Potential THC**		0.03	0.30
Total Potential CBD**		1.22	12.20

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

 Karen Winternheimer
 3-Jun-2020
 12:34 PM


 Ben Minton
 3-Jun-2020
 3:04 PM

PREPARED BY / DATE

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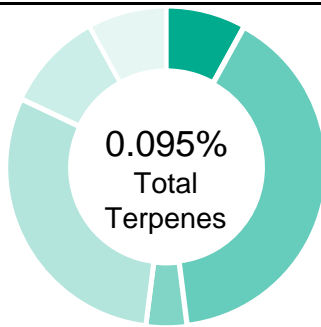
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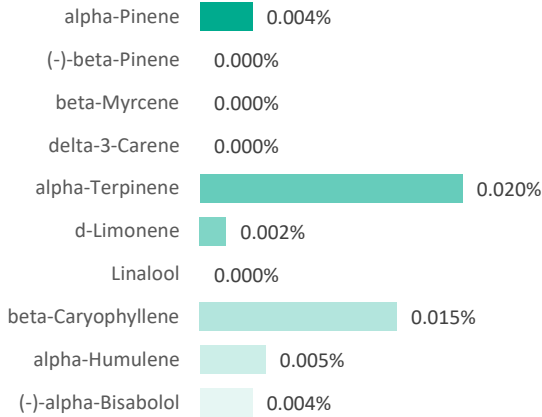
Certificate #4329.02

Muscle Relief Cooling Cream


Batch ID:	AG MRCC 005	Test ID:	7156156.0010
Reported:	5-Jun-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE


Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.004	0.04
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.015	0.15
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.004	0.04
Eucalyptol	0.006	0.06
Geraniol	0.000	0
alpha-Humulene	0.005	0.05
(-)-Isopulegol	0.000	0
d-Limonene	0.002	0.02
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.004	0.04
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.020	0.2
gamma-Terpinene	0.030	0.3
Terpinolene	0.005	0.05
	0.095%	0.95

PREDOMINANT TERPENES

 NOTES:
 0

FINAL APPROVAL

 Ryan Weems 5-Jun-2020 11:46 AM	 Greg Zimpfer 5-Jun-2020 2:54 PM
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Certificate #4329.02

Muscle Relief Cooling Cream

Batch ID:	AG MRCC 005	Test ID:	8109083.0046
Reported:	3-Jun-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	53 - 2458	ND*	Malathion	319 - 2458	ND*
Acetamiprid	53 - 2458	ND*	Metalaxyl	53 - 2458	ND*
Abamectin	>319	ND*	Methiocarb	53 - 2458	ND*
Azoxystrobin	53 - 2458	ND*	Methomyl	53 - 2458	ND*
Bifenazate	53 - 2458	ND*	MGK 264 1	319 - 2458	ND*
Boscalid	53 - 2458	ND*	MGK 264 2	319 - 2458	ND*
Carbaryl	53 - 2458	ND*	Myclobutanil	53 - 2458	ND*
Carbofuran	53 - 2458	ND*	Naled	53 - 2458	ND*
Chlorantraniliprole	53 - 2458	ND*	Oxamyl	53 - 2458	ND*
Chlorpyrifos	53 - 2458	ND*	Paclobutrazol	53 - 2458	ND*
Clofentezine	319 - 2458	ND*	Permethrin	319 - 2458	ND*
Diazinon	319 - 2458	ND*	Phosmet	53 - 2458	ND*
Dichlorvos	>319	ND*	Prophos	319 - 2458	ND*
Dimethoate	53 - 2458	ND*	Propoxur	53 - 2458	ND*
E-Fenpyroximate	53 - 2458	ND*	Pyridaben	53 - 2458	ND*
Etofenprox	53 - 2458	ND*	Spinosad A	53 - 2458	ND*
Etoxazole	319 - 2458	ND*	Spinosad D	319 - 2458	ND*
Fenoxycarb	>53	ND*	Spiromesifen	>319	ND*
Fipronil	53 - 2458	ND*	Spirotetramat	>319	ND*
Flonicamid	53 - 2458	ND*	Spiroxamine 1	53 - 2458	ND*
Fludioxonil	>319	ND*	Spiroxamine 2	53 - 2458	ND*
Hexythiazox	53 - 2458	ND*	Tebuconazole	319 - 2458	ND*
Imazalil	319 - 2458	ND*	Thiacloprid	53 - 2458	ND*
Imidacloprid	53 - 2458	ND*	Thiamethoxam	53 - 2458	ND*
Kresoxim-methyl	53 - 2458	ND*	Trifloxystrobin	53 - 2458	ND*

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

N/A

FINAL APPROVAL


 Tyler Wiese
 3-Jun-2020
 2:34 PM
 PREPARED BY / DATE


 Greg Zimpfer
 3-Jun-2020
 6:10 PM
 APPROVED BY / DATE

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Muscle Relief Cooling Cream

Batch ID:	AG MRCC 005	Test ID:	T000078687
Reported:	6-Jun-2020	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS


Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	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
6-Jun-2020
4:20 PM
Mike Branvold
6-Jun-2020
4:48 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03


Muscle Relief Cooling Cream

Batch ID:	AG MRCC 005	Test ID:	T000078690
Reported:	4-Jun-2020	Method:	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.107 - 10.70	ND
Cadmium	0.113 - 11.30	ND
Mercury	0.106 - 10.60	ND
Lead	0.110 - 11.00	ND

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

FINAL APPROVAL

Ryan Weems
4-Jun-2020
5:38 PM

PREPARED BY / DATE



Ben Minton
4-Jun-2020
7:07 PM

APPROVED BY / DATE

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Muscle Relief Cooling Cream

Batch ID:	AG MRCC 005	Test ID:	T000078686
Reported:	2-Jun-2020	Method:	TM04
Type:	Topical		
Test:	Residual Solvents		


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	83 - 1652	*ND
Butanes (Isobutane, n-Butane)	166 - 3314	*ND
Methanol	51 - 1025	*ND
Pentane	71 - 1412	*ND
Ethanol	69 - 1374	*ND
Acetone	84 - 1687	*ND
Isopropyl Alcohol	88 - 1767	*ND
Hexane	5 - 102	*ND
Ethyl Acetate	84 - 1688	*ND
Benzene	0.2 - 3.4	*ND
Heptanes	77 - 1533	*ND
Toluene	15 - 307	*ND
Xylenes (m,p,o-Xylenes)	113 - 2257	*ND

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

NOTES:
N/A**FINAL APPROVAL**
Ryan Weems
2-Jun-2020
12:13 PM

PREPARED BY / DATE


Ben Minton
2-Jun-2020
3:37 PM

APPROVED BY / DATE

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