

Prepared for:

Muscle Rub
Planetarie


Batch ID or Lot Number: 1021-070721-F4	Test: Potency	Reported: 11/3/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Unit	Test ID: T000173774	Started: 11/3/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Standard Cannabinoid Analysis (Colorado Panel)	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A
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CANNABINOID PROFILE

Compound	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	10.427	34.684	31.882	0.43	# of Servings = 1 Sample Weight=73.71g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	11.768	39.147	ND	ND	
Cannabidiolic acid (CBDA)	13.123	42.726	1570.983	21.31	
Cannabidiol (CBD)	12.795	41.657	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	12.958	43.105	ND	ND	
Cannabinolic Acid (CBNA)	7.421	24.685	ND	ND	
Cannabinol (CBN)	3.394	11.291	ND	ND	
Cannabigerolic acid (CBGA)	10.877	36.181	47.927	0.65	
Cannabigerol (CBG)	2.602	8.655	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	9.197	30.593	ND	ND	
Tetrahydrocannabivarin (THCV)	2.367	7.872	ND	ND	
Cannabidivarinic Acid (CBDVA)	5.474	17.823	8.651*	0.12*	
Cannabidivarin (CBDV)	3.026	9.852	ND	ND	
Cannabichromenic Acid (CBCA)	4.191	13.943	21.023	0.29	
Cannabichromene (CBC)	4.583	15.244	ND	ND	
Total Cannabinoids			1680.466	22.80	
Total Potential THC**			27.961	0.38	
Total Potential CBD**			1377.752	18.69	


 Sam Smith
 03-Nov-2021
 04:56 PM


 Ryan Weems
 3-Nov-21
 4:58 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

* Indicates a value below the Limit of Quantitation (LOQ) and above the Limit of Detection (LOD).

** Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and}$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$

Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

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

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CDPHE Certified



Certificate #4329.02

Prepared for:

Muscle Rub
Planetarie

Batch ID or Lot Number: 1021-070721-F4	Test: Microbial Contaminants	Reported: 11/5/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: Finished Product	Test ID: T000173776	Started: 11/2/21	USDA License: N/A
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Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A
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MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result	Notes
Total Aerobic Count*	TM-26, Culture Plating	10 ² CFU/g	10 ³ CFU/g	1.5x10 ⁵ CFU/g	None Detected	Free from visual mold, mildew, and foreign matter
Total Coliforms*	TM-27, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ¹ CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent	


 Jackson Osaghae-Nosa
 11/5/2021
 10:17:00 AM


 Carly Bader
 11/5/2021
 10:20:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

 CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing *E. coli*

* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples: 10² = 100 CFU
 10³ = 1,000 CFU
 10⁴ = 10,000 CFU
 10⁵ = 100,000 CFU

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Prepared for:

Muscle Rub
Planetarie

Batch ID or Lot Number: 1021-070721-F4	Test: Mycotoxins	Reported: 11/4/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000173779	Started: 11/4/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.2 - 131.2	ND	N/A
Aflatoxin B1	1 - 33.2	ND	
Aflatoxin B2	1.1 - 33.8	ND	
Aflatoxin G1	1 - 32.9	ND	
Aflatoxin G2	1 - 32.9	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 4-Nov-21
 4:58 PM

PREPARED BY / DATE


 Ryan Weems
 4-Nov-21
 5:00 PM

APPROVED BY / DATE

Definitions

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

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Prepared for:


Muscle Rub
Planetarie

Batch ID or Lot Number: 1021-070721-F4	Test: Pesticides	Reported: 11/5/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Concentrate	Test ID: T000173775	Started: 11/4/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	46	ND	Fenoxycarb	44	ND	Paclobutrazol	44	ND
Acetamiprid	40	ND	Fipronil	65	ND	Permethrin	296	ND
Avermectin	324	ND	Flonicamid	52	ND	Phosmet	43	ND
Azoxystrobin	44	ND	Fludioxonil	284	ND	Prophos	277	ND
Bifenazate	42	ND	Hexythiazox	40	ND	Propoxur	43	ND
Boscalid	41	ND	Imazalil	276	ND	Pyridaben	289	ND
Carbaryl	40	ND	Imidacloprid	38	ND	Spinosad A	35	ND
Carbofuran	43	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	51	ND	Malathion	283	ND	Spiromesifen	282	ND
Chlorpyrifos	500	ND	Metalaxyl	45	ND	Spirotetramat	261	ND
Clofentezine	292	ND	Methiocarb	43	ND	Spiroxamine 1	20	ND
Diazinon	275	ND	Methomyl	41	ND	Spiroxamine 2	24	ND
Dichlorvos	284	ND	MGK 264 1	172	ND	Tebuconazole	293	ND
Dimethoate	41	ND	MGK 264 2	123	ND	Thiacloprid	43	ND
E-Fenpyroximate	267	ND	Myclobutanil	39	ND	Thiamethoxam	42	ND
Etofenprox	42	ND	Naled	49	ND	Trifloxystrobin	44	ND
Etoxazole	300	ND	Oxamyl	1500	ND			


 Sam Smith
 11/5/2021
 11:03:00 AM


 Karen Winternheimer
 11/5/2021
 11:06:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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Certificate #4329.02

Prepared for:

Muscle Rub

Planetarie


Batch ID or Lot Number: 1021-070721-F4	Test: Residual Solvents	Reported: 11/3/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
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Matrix: N/A	Test ID: T000173778	Started: 11/3/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	89 - 1778	*ND	
Butanes (Isobutane, n-Butane)	183 - 3659	*ND	
Methanol	59 - 1187	*ND	
Pentane	93 - 1852	*ND	
Ethanol	95 - 1893	*ND	
Acetone	99 - 1983	*ND	
Isopropyl Alcohol	103 - 2066	*ND	
Hexane	6 - 113	*ND	
Ethyl Acetate	97 - 1945	*ND	
Benzene	0.2 - 3.9	*ND	
Heptanes	95 - 1906	*ND	
Toluene	18 - 352	*ND	
Xylenes (m,p,o-Xylenes)	128 - 2556	*ND	

 Hannah Wright
3-Nov-21
4:12 PM

 Ryan Weems
3-Nov-21
4:14 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Prepared for:

Muscle Rub
Planetarie


Batch ID or Lot Number: 1021-070721-F4	Test: Metals	Reported: 11/5/21	Location: 600 31ST STREET UNIT B EVANS, CO 80620
Matrix: Unit Co	Test ID: T000173777	Started: 11/4/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 11/02/2021 @ 09:04 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.044 - 4.35	ND	
Cadmium	0.044 - 4.36	ND	
Mercury	0.043 - 4.33	ND	
Lead	0.043 - 4.31	ND	


 Daniel Weidensaul
 5-Nov-21
 10:08 AM

PREPARED BY / DATE


 Ryan Weems
 5-Nov-21
 10:10 AM

APPROVED BY / DATE

Definitions

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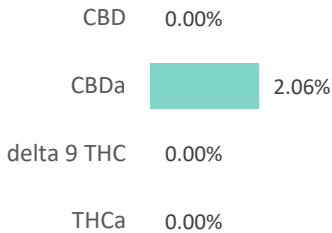
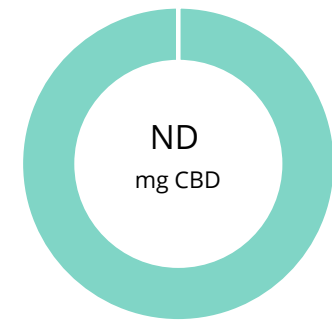
CDPHE Certified



Certificate #4329.02

Muscle Rub

Batch ID:	0521-SB1	Test ID:	T000140876
Type:	Unit	Submitted:	05/17/2021 @ 11:56 AM
Test:	Potency	Started:	5/19/2021
Method:	TM14	Reported:	5/20/2021

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	36.30	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	40.97	ND	ND
Cannabidiolic acid (CBDA)	38.22	1521.59	20.6
Cannabidiol (CBD)	37.26	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8THC)	45.12	ND	ND
Cannabinolic Acid (CBNA)	25.84	ND	ND
Cannabinol (CBN)	11.82	ND	ND
Cannabigerolic acid (CBGA)	37.87	44.72	0.6
Cannabigerol (CBG)	9.06	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	32.02	ND	ND
Tetrahydrocannabivarin (THCV)	8.24	ND	ND
Cannabidivarinic Acid (CBDVA)	15.94	ND	ND
Cannabidivarin (CBDV)	8.81	ND	ND
Cannabichromenic Acid (CBCA)	14.59	25.96	0.4
Cannabichromene (CBC)	15.96	ND	ND
Total Cannabinoids		1592.27	21.6
Total Potential THC**		ND	ND
Total Potential CBD**		1334.43	18.1

% = % (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:

of Servings = 1, Sample Weight=73.71g

FINAL APPROVAL

 Rvan Weems 20-May-2021 3:33 PM	 Daniel Weidensaul 20-May-2021 3:41 PM
PREPARED BY / DATE	APPROVED BY / DATE

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Certificate #4329.02

Muscle Rub

Batch ID:	0521-SB1	Test ID:	T000140878
Type:	Topical	Submitted:	05/17/2021 @ 11:56 AM
Test:	Microbial Contaminants	Started:	5/18/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	5/21/2021

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
E. coli (STEC)	Absent
Salmonella	Absent

* 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


Sarah Henning
21-May-2021
1:59 PM
Robert Belfon
21-May-2021
5:07 PM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC. ISO/IEC 17025:2005 Accredited A2LA Certificate Number 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03

Muscle Rub

Batch ID:	0521-SB1	Test ID:	T000140877
Type:	Concentrate	Submitted:	05/17/2021 @ 11:56 AM
Test:	Pesticides	Started:	5/20/2021
Method:	TM17	Reported:	5/21/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	32 - 2447	ND*	Malathion	280 - 2447	ND*
Acetamiprid	36 - 2447	ND*	Metalaxyl	41 - 2447	ND*
Abamectin	>278	ND*	Methiocarb	42 - 2447	ND*
Azoxystrobin	43 - 2447	ND*	Methomyl	36 - 2447	ND*
Bifenazate	28 - 2447	ND*	MGK 264 1	164 - 2447	ND*
Boscalid	41 - 2447	ND*	MGK 264 2	116 - 2447	ND*
Carbaryl	40 - 2447	ND*	Myclobutanil	42 - 2447	ND*
Carbofuran	43 - 2447	ND*	Naled	45 - 2447	ND*
Chlorantraniliprole	44 - 2447	ND*	Oxamyl	37 - 2447	ND*
Chlorpyrifos	47 - 2447	ND*	Paclobutrazol	44 - 2447	ND*
Clofentezine	284 - 2447	ND*	Permethrin	286 - 2447	ND*
Diazinon	284 - 2447	ND*	Phosmet	38 - 2447	ND*
Dichlorvos	>251	ND*	Prophos	269 - 2447	ND*
Dimethoate	39 - 2447	ND*	Propoxur	43 - 2447	ND*
E-Fenpyroximate	274 - 2447	ND*	Pyridaben	279 - 2447	ND*
Etofenprox	46 - 2447	ND*	Spinosad A	29 - 2447	ND*
Etoxazole	302 - 2447	ND*	Spinosad D	87 - 2447	ND*
Fenoxycarb	>44	ND*	Spiromesifen	>285	ND*
Fipronil	26 - 2447	ND*	Spirotetramat	>280	ND*
Flonicamid	42 - 2447	ND*	Spiroxamine 1	19 - 2447	ND*
Fludioxonil	>279	ND*	Spiroxamine 2	25 - 2447	ND*
Hexythiazox	36 - 2447	ND*	Tebuconazole	297 - 2447	ND*
Imazalil	267 - 2447	ND*	Thiacloprid	37 - 2447	ND*
Imidacloprid	41 - 2447	ND*	Thiamethoxam	36 - 2447	ND*
Kresoxim-methyl	44 - 2447	ND*	Trifloxystrobin	43 - 2447	ND*

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

N/A

FINAL APPROVAL



 Sam Smith
 21-May-2021
 9:58 AM



 Taylor Brevik
 21-May-2021
 10:01 AM

PREPARED BY / DATE

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

Muscle Rub

Batch ID:	0521-SB1	Test ID:	T000140880
Type:	Topical	Submitted:	05/17/2021 @ 11:56 AM
Test:	Residual Solvents	Started:	5/20/2021
Method:	TM04	Reported:	5/20/2021

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	67 - 1345	*ND
Butanes (Isobutane, n-Butane)	139 - 2788	*ND
Methanol	56 - 1128	*ND
Pentane	82 - 1642	*ND
Ethanol	93 - 1869	*ND
Acetone	95 - 1897	*ND
Isopropyl Alcohol	106 - 2124	*ND
Hexane	6 - 116	*ND
Ethyl Acetate	96 - 1919	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	90 - 1800	*ND
Toluene	17 - 347	*ND
Xylenes (m,p,o-Xylenes)	124 - 2479	*ND

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

NOTES:

N/A

FINAL APPROVAL

Sam Smith
20-May-2021
3:56 PMDaniel Weidensaul
20-May-2021
3:58 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Muscle Rub


Batch ID:	0521-SB1	Test ID:	t000140879
Type:	Other	Submitted:	05/17/2021 @ 11:56 AM
Test:	Metals	Started:	5/20/2021
Method:	TM19	Reported:	5/21/2021

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.045 - 4.48	ND
Cadmium	0.045 - 4.46	ND
Mercury	0.045 - 4.46	ND
Lead	0.043 - 4.27	ND


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

FINAL APPROVAL



Ryan Weems
21-May-2021
6:54 AM

PREPARED BY / DATE



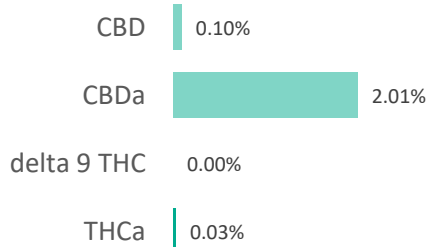
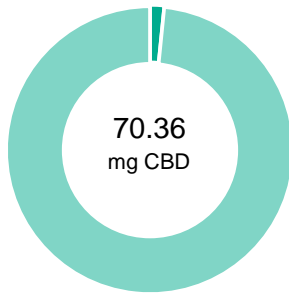
Michele Gagnon
21-May-2021
6:55 AM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories, LLC.

Muscle Rub

Batch ID:	1020-3FL49	Test ID:	T000106141
Type:	Topical	Submitted:	10/27/2020 @ 10:13 AM
Test:	Potency	Started:	10/29/2020
Method:	TM14	Reported:	10/30/2020

CANNABINOID PROFILE


Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	17.67	22.83	0.3
Delta 9-Tetrahydrocannabinol (Delta 9THC)	8.66	ND	ND
Cannabidiolic acid (CBDA)	4.79	1479.48	20.1
Cannabidiol (CBD)	10.22	70.36	1.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	9.45	ND	ND
Cannabinolic Acid (CBNA)	24.51	ND	ND
Cannabinol (CBN)	10.74	ND	ND
Cannabigerolic acid (CBGA)	15.43	40.22	0.5
Cannabigerol (CBG)	8.64	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	15.06	ND	ND
Tetrahydrocannabivarin (THCV)	7.71	ND	ND
Cannabidivarinic Acid (CBDVA)	4.60	9.21	0.1
Cannabidivarin (CBDV)	2.48	ND	ND
Cannabichromenic Acid (CBCA)	13.56	21.13	0.3
Cannabichromene (CBC)	15.67	ND	ND
Total Cannabinoids		1643.23	22.3
Total Potential THC**		20.02	0.3
Total Potential CBD**		1367.86	18.6

NOTES:

of Servings = 1, Sample Weight=73.71g

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

 Ryan Weems 30-Oct-2020 4:22 PM	 Ben Minton 30-Oct-2020 4:38 PM
PREPARED BY / DATE	APPROVED BY / DATE

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Muscle Rub

Batch ID:	1020-3FL49	Test ID:	T000106143
Type:	Topical	Submitted:	10/27/2020 @ 10:13 AM
Test:	Microbial Contaminants	Started:	10/28/2020
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	10/31/2020

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count**	None Detected
Total Coliforms**	None Detected
Total Yeast and Molds**	None Detected
E. coli	Absent
STEC and 0157 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
31-Oct-2020
2:45 PM
Greg Zimpfer
31-Oct-2020
7:05 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Muscle Rub


Batch ID:	1020-3FL49	Test ID:	T000106144
Type:	Concentrate	Submitted:	10/27/2020 @ 10:13 AM
Test:	Pesticides	Started:	10/28/2020
Method:		Reported:	10/30/2020

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	43 - 2555	ND*	Malathion	298 - 2555	ND*
Acetamiprid	43 - 2555	ND*	Metalaxyl	43 - 2555	ND*
Abamectin	>252	ND*	Methiocarb	41 - 2555	ND*
Azoxystrobin	43 - 2555	ND*	Methomyl	44 - 2555	ND*
Bifenazate	41 - 2555	ND*	MGK 264 1	167 - 2555	ND*
Boscalid	40 - 2555	ND*	MGK 264 2	111 - 2555	ND*
Carbaryl	43 - 2555	ND*	Myclobutanil	39 - 2555	ND*
Carbofuran	45 - 2555	ND*	Naled	40 - 2555	ND*
Chlorantraniliprole	48 - 2555	ND*	Oxamyl	41 - 2555	ND*
Chlorpyrifos	45 - 2555	ND*	Paclobutrazol	45 - 2555	ND*
Clofentezine	303 - 2555	ND*	Permethrin	277 - 2555	ND*
Diazinon	294 - 2555	ND*	Phosmet	43 - 2555	ND*
Dichlorvos	>280	ND*	Prophos	283 - 2555	ND*
Dimethoate	42 - 2555	ND*	Propoxur	43 - 2555	ND*
E-Fenpyroximate	279 - 2555	ND*	Pyridaben	294 - 2555	ND*
Etofenprox	43 - 2555	ND*	Spinosad A	31 - 2555	ND*
Etoxazole	297 - 2555	ND*	Spinosad D	81 - 2555	ND*
Fenoxycarb	>43	ND*	Spiromesifen	>279	ND*
Fipronil	42 - 2555	ND*	Spirotetramat	>301	ND*
Flonicamid	42 - 2555	ND*	Spiroxamine 1	18 - 2555	ND*
Fludioxonil	>313	ND*	Spiroxamine 2	24 - 2555	ND*
Hexythiazox	44 - 2555	ND*	Tebuconazole	311 - 2555	ND*
Imazalil	276 - 2555	ND*	Thiacloprid	43 - 2555	ND*
Imidacloprid	45 - 2555	ND*	Thiamethoxam	46 - 2555	ND*
Kresoxim-methyl	44 - 2555	ND*	Trifloxystrobin	45 - 2555	ND*


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

N/A

FINAL APPROVAL


Taylor Brevik
 30-Oct-2020
 8:26 AM

PREPARED BY / DATE



Greg Zimpfer
 30-Oct-2020
 12:54 PM

APPROVED BY / DATE

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Muscle Rub

Batch ID:	1020-3FL49	Test ID:	T000106142
Type:	Topical	Submitted:	10/27/2020 @ 10:13 AM
Test:	Residual Solvents	Started:	10/28/2020
Method:	TM04	Reported:	10/29/2020

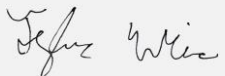
RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	96 - 1924	*ND
Butanes (Isobutane, n-Butane)	194 - 3890	*ND
Methanol	65 - 1306	*ND
Pentane	104 - 2071	*ND
Ethanol	101 - 2030	*ND
Acetone	106 - 2114	*ND
Isopropyl Alcohol	109 - 2184	*ND
Hexane	6 - 128	*ND
Ethyl Acetate	107 - 2135	*ND
Benzene	0.2 - 4.2	*ND
Heptanes	104 - 2075	*ND
Toluene	19 - 378	*ND
Xylenes (m,p,o-Xylenes)	136 - 2725	*ND


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

NOTES:
N/A

FINAL APPROVAL

 Tyler Wiese
29-Oct-2020
6:33 PM

PREPARED BY / DATE

 Ben Minton
29-Oct-2020
7:01 PM

APPROVED BY / DATE

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Certificate #4329.02

Muscle Rub

Batch ID:	1020-3FL49	Test ID:	T000106145
Type:	Other	Submitted:	10/27/2020 @ 10:13 AM
Test:	Metals	Started:	10/28/2020
Method:	TM19	Reported:	10/29/2020

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.103 - 10.30	ND
Cadmium	0.104 - 10.40	ND
Mercury	0.105 - 10.50	ND
Lead	0.106 - 10.50	0.173

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

FINAL APPROVALDaniel Weidensaul
29-Oct-2020
1:19 PMGreg Zimpfer
29-Oct-2020
4:35 PM

PREPARED BY / DATE

APPROVED BY / DATE

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