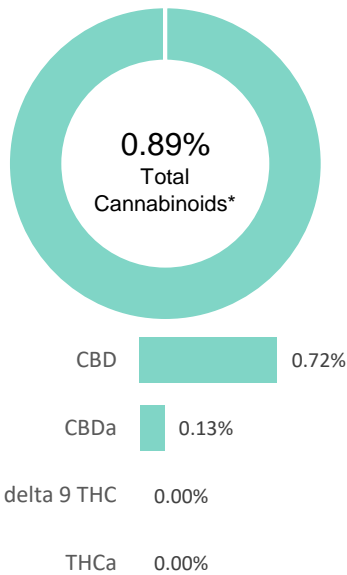


Miracle Muscle Rub

Batch ID:	Batch 1	Test ID:	T000124130
Type:	Concentrate	Submitted:	02/22/2021 @ 12:07 PM
Test:	Potency	Started:	2/24/2021
Method:	TM14	Reported:	2/25/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	ND	ND
Cannabidiolic acid (CBDA)	0.04	0.13	1.3
Cannabidiol (CBD)	0.04	0.72	7.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.06	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.05	ND	ND
Cannabigerol (CBG)	0.01	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	ND	ND
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	0.04	0.4
Total Cannabinoids		0.89	8.9
Total Potential THC**		ND	ND
Total Potential CBD**		0.83	8.3

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

	Ryan Weems 25-Feb-2021 5:37 PM		Ben Minton 25-Feb-2021 7:41 PM
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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 4329.02



Miracle Muscle Rub

Batch ID:	Batch 1	Test ID:	T000124132
Type:	Topical	Submitted:	02/22/2021 @ 12:07 PM
Test:	Microbial Contaminants	Started:	2/23/2021
Method:	TM24, TM25, TM26, TM27, TM28	Reported:	2/26/2021

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)	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
26-Feb-2021
2:44 PM Greg Zimpfer
26-Feb-2021
6:05 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

prepared for: Native Roots

26 Humphreys Road

Morgantown, WV 26508

Miracle Muscle Rub

Batch ID:	Batch 1	Test ID:	T000124133
Type:	Unit	Submitted:	02/22/2021 @ 12:07 PM
Test:	Metals	Started:	2/25/2021
Method:	TM19	Reported:	2/26/2021

HEAVY METALS


Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.168 - 16.80	ND
Cadmium	0.174 - 17.40	ND
Mercury	0.172 - 17.10	ND
Lead	0.170 - 16.90	ND

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

FINAL APPROVAL


Ryan Weems
26-Feb-2021
1:05 PM

PREPARED BY / DATE


Ben Minton
26-Feb-2021
1:28 PM

APPROVED BY / DATE

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prepared for: Native Roots
26 Humphreys Road
Morgantown, WV 26508

Miracle Muscle Rub

Batch ID:	Batch 1	Test ID:	T000124131
Type:	Concentrate	Submitted:	02/22/2021 @ 12:07 PM
Test:	Pesticides	Started:	2/23/2021
Method:	TM17	Reported:	2/24/2021


PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	46 - 2497	ND*	Malathion	304 - 2497	ND*
Acetamiprid	44 - 2497	ND*	Metalaxyl	43 - 2497	ND*
Abamectin	>315	ND*	Methiocarb	46 - 2497	ND*
Azoxystrobin	43 - 2497	ND*	Methomyl	49 - 2497	ND*
Bifenazate	35 - 2497	ND*	MGK 264 1	174 - 2497	ND*
Boscalid	48 - 2497	ND*	MGK 264 2	120 - 2497	ND*
Carbaryl	43 - 2497	ND*	Myclobutanil	43 - 2497	ND*
Carbofuran	46 - 2497	ND*	Naled	55 - 2497	ND*
Chlorantraniliprole	43 - 2497	ND*	Oxamyl	45 - 2497	ND*
Chlorpyrifos	47 - 2497	128	Paclobutrazol	40 - 2497	ND*
Clofentezine	301 - 2497	ND*	Permethrin	299 - 2497	ND*
Diazinon	295 - 2497	ND*	Phosmet	43 - 2497	ND*
Dichlorvos	>293	ND*	Prophos	316 - 2497	ND*
Dimethoate	48 - 2497	ND*	Propoxur	44 - 2497	ND*
E-Fenpyroximate	290 - 2497	ND*	Pyridaben	286 - 2497	ND*
Etofenprox	42 - 2497	ND*	Spinosad A	32 - 2497	ND*
Etoazole	288 - 2497	ND*	Spinosad D	77 - 2497	ND*
Fenoxycarb	>45	ND*	Spiromesifen	>285	ND*
Fipronil	32 - 2497	ND*	Spirotetramat	>274	ND*
Flonicamid	56 - 2497	ND*	Spiroxamine 1	19 - 2497	ND*
Fludioxonil	>325	ND*	Spiroxamine 2	25 - 2497	ND*
Hexythiazox	45 - 2497	ND*	Tebuconazole	285 - 2497	ND*
Imazalil	292 - 2497	ND*	Thiacloprid	46 - 2497	ND*
Imidacloprid	47 - 2497	ND*	Thiamethoxam	45 - 2497	ND*
Kresoxim-methyl	50 - 2497	ND*	Trifloxystrobin	45 - 2497	ND*


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

N/A

FINAL APPROVAL

 Sam Smith
24-Feb-2021
1:55 PM

PREPARED BY / DATE

 Ben Minton
24-Feb-2021
3:00 PM

APPROVED BY / DATE

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Miracle Muscle Rub

Batch ID:	BATCH 1	Test ID:	T000124134
Type:	Concentrate	Submitted:	02/22/2021 @ 12:07 PM
Test:	Residual Solvents	Started:	2/26/2021
Method:	TM04	Reported:	2/26/2021


RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	94 - 1875	*ND
Butanes (Isobutane, n-Butane)	180 - 3599	*ND
Methanol	55 - 1099	*ND
Pentane	89 - 1789	*ND
Ethanol	88 - 1766	*ND
Acetone	90 - 1793	*ND
Isopropyl Alcohol	91 - 1815	*ND
Hexane	5 - 109	*ND
Ethyl Acetate	91 - 1811	*ND
Benzene	0.2 - 3.6	*ND
Heptanes	89 - 1788	*ND
Toluene	16 - 326	*ND
Xylenes (m,p,o-Xylenes)	118 - 2368	*ND


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

NOTES:
N/A

FINAL APPROVAL


Mara Miller
26-Feb-2021
4:02 PM

PREPARED BY / DATE


Greg Zimpfer
26-Feb-2021
6:08 PM

APPROVED BY / DATE

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