

Prepared for:

Muscle Freeze 1.5
MARYS NUTRITIONALS

Batch ID or Lot Number: 1188	Test: Potency	Reported: 7/20/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: Unit	Test ID: T000151881	Started: 7/16/21	USDA License: N/A
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Status: N/A	Method: TM14: Potency - Full Spectrum Analysis, 0.3% THC (Colorado)	Received: 07/14/2021 @ 01:07 PM	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)	1.344	3.384	ND	ND	# of Servings = 1 Sample Weight=42g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.344	3.819	ND	ND	
Cannabidiolic acid (CBDA)	8.088	24.374	ND	ND	
Cannabidiol (CBD)	7.886	23.765	103.198	2.46	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	8.044	25.636	ND	ND	
Cannabinolic Acid (CBNA)	4.607	14.682	ND	ND	
Cannabinol (CBN)	2.107	6.715	ND	ND	
Cannabigerolic acid (CBGA)	6.752	21.519	ND	ND	
Cannabigerol (CBG)	1.615	5.148	7.381	0.18	
Tetrahydrocannabivarinic Acid (THCVA)	5.709	18.195	ND	ND	
Tetrahydrocannabivarin (THCV)	1.469	4.682	ND	ND	
Cannabidivarinic Acid (CBDVA)	3.374	10.168	ND	ND	
Cannabidivarin (CBDV)	1.865	5.621	ND	ND	
Cannabichromenic Acid (CBCA)	2.602	8.293	ND	ND	
Cannabichromene (CBC)	2.845	9.066	ND	ND	
Total Cannabinoids			110.579	2.63	
Total Potential THC**			ND	ND	
Total Potential CBD**			103.198	2.46	



 Taylor Brevik
 20-Jul-2021
 05:05 PM



 Daniel Weidensaul
 20-Jul-21
 5:10 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)

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.



CDPHE Certified



Certificate #4329.02


Prepared for:


Muscle Freeze 1.5
MARYS NUTRITIONALS

Batch ID or Lot Number: 1188	Test: Microbial Contaminants	Reported: 7/19/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Finished Product	Test ID: T000151883	Started: 7/15/21	USDA License: N/A
Status: N/A	Methods: TM24, TM25, TM26, TM27: Microbial (Colorado Panel)	Received: 07/14/2021 @ 01:07 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

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


 Robert Belfon
 19-Jul-21
 3:13 PM


 Brianne Maillot
 19-Jul-21
 6:32 PM

PREPARED BY / DATE

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Definitions

CFU/g = Colony Forming Units per Gram | LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation
 * 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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Certificate #4329.02

Prepared for:

Muscle Freeze 1.5
MARYS NUTRITIONALS

Batch ID or Lot Number: 1188	Test: Mycotoxins	Reported: 7/20/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Concentrate	Test ID: T000151886	Started: 7/19/21	USDA License: N/A
Status: N/A	Method: TM18: Mycotoxins	Received: 07/14/2021 @ 01:07 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	14.4 - 451.8	ND	N/A
Aflatoxin B1	3.7 - 114	ND	
Aflatoxin B2	3.9 - 115.4	ND	
Aflatoxin G1	4.1 - 111.2	ND	
Aflatoxin G2	2.8 - 109	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	



 Sam Smith
20-Jul-21
7:41 AM

PREPARED BY / DATE



 Alex Smith
20-Jul-21
4:03 PM

APPROVED BY / DATE

Definitions

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

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Prepared for:

Muscle Freeze 1.5
MARYS NUTRITIONALS


Batch ID or Lot Number: 1188	Test: Residual Solvents	Reported: 7/23/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: N/A	Test ID: T000151885	Started: 7/23/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 07/14/2021 @ 01:07 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1533	*ND	
Butanes (Isobutane, n-Butane)	148 - 2969	*ND	
Methanol	58 - 1151	*ND	
Pentane	83 - 1653	*ND	
Ethanol	87 - 1750	*ND	
Acetone	91 - 1811	*ND	
Isopropyl Alcohol	101 - 2019	*ND	
Hexane	6 - 114	*ND	
Ethyl Acetate	92 - 1846	*ND	
Benzene	0 - 4	*ND	
Heptanes	88 - 1762	*ND	
Toluene	17 - 333	*ND	
Xylenes (m,p,o-Xylenes)	122 - 2435	*ND	


 Taylor Brevik
 23-Jul-21
 1:41 PM


 Sam Smith
 23-Jul-21
 1:43 PM

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APPROVED BY / DATE

Definitions

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Prepared for:


Muscle Freeze 1.5

MARYS NUTRITIONALS


Batch ID or Lot Number: 1188	Test: Metals	Reported: 7/21/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Other	Test ID: T000151884	Started: 7/20/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 07/14/2021 @ 01:07 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Arsenic	0.050 - 4.97	ND	
Cadmium	0.044 - 4.43	ND	
Mercury	0.045 - 4.46	ND	
Lead	0.044 - 4.41	ND	

 Ryan Weems
21-Jul-21
3:03 PM

PREPARED BY / DATE

 Sam Smith
21-Jul-21
3:09 PM

APPROVED BY / DATE

Definitions

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Muscle Freeze 1.5


Batch ID:	1188	Test ID:	T000151882
Type:	Concentrate	Submitted:	07/14/2021 @ 01:07 PM
Test:	Pesticides	Started:	7/15/2021
Method:	TM17	Reported:	7/19/2021

PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	48 - 2402	ND*	Malathion	275 - 2402	ND*
Acetamiprid	48 - 2402	ND*	Metalaxyl	46 - 2402	ND*
Abamectin	>348	ND*	Methiocarb	41 - 2402	ND*
Azoxystrobin	46 - 2402	ND*	Methomyl	46 - 2402	ND*
Bifenazate	33 - 2402	ND*	MGK 264 1	161 - 2402	ND*
Boscalid	45 - 2402	ND*	MGK 264 2	105 - 2402	ND*
Carbaryl	41 - 2402	ND*	Myclobutanil	42 - 2402	ND*
Carbofuran	43 - 2402	ND*	Naled	49 - 2402	ND*
Chlorantraniliprole	44 - 2402	ND*	Oxamyl	44 - 2402	ND*
Chlorpyrifos	50 - 2402	ND*	Pacllobutrazol	47 - 2402	ND*
Clofentezine	266 - 2402	ND*	Permethrin	288 - 2402	ND*
Diazinon	272 - 2402	ND*	Phosmet	40 - 2402	ND*
Dichlorvos	>284	ND*	Prophos	293 - 2402	ND*
Dimethoate	43 - 2402	ND*	Propoxur	46 - 2402	ND*
E-Fenpyroximate	279 - 2402	ND*	Pyridaben	284 - 2402	ND*
Etofenprox	41 - 2402	ND*	Spinosad A	29 - 2402	ND*
Etoxazole	286 - 2402	ND*	Spinosad D	80 - 2402	ND*
Fenoxycarb	>47	ND*	Spiromesifen	>276	ND*
Fipronil	48 - 2402	ND*	Spirotetramat	>276	ND*
Flonicamid	51 - 2402	ND*	Spiroxamine 1	19 - 2402	ND*
Fludioxonil	>320	ND*	Spiroxamine 2	23 - 2402	ND*
Hexythiazox	39 - 2402	ND*	Tebuconazole	272 - 2402	ND*
Imazalil	291 - 2402	ND*	Thiacloprid	44 - 2402	ND*
Imidacloprid	46 - 2402	ND*	Thiamethoxam	44 - 2402	ND*
Kresoxim-methyl	46 - 2402	ND*	Trifloxystrobin	44 - 2402	ND*

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

N/A

FINAL APPROVAL

 Taylor Brevik
 19-Jul-2021
 11:43 AM

PREPARED BY / DATE


 Sam Smith
 19-Jul-2021
 12:16 PM

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.

LOT NUMBER	1188
BRAND	Mary's Nutritionals
PRODUCT NAME	Muscle Freeze 3.25
DATE OF MANUFACTURE	07/07/2021
EXPIRATION DATE	07/07/2023