

Prepared for:

Muscle Freeze 3.25
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: T000151226	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: 07/12/2021 @ 05:37 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)	2.925	7.365	ND	ND	# of Servings = 1 Sample Weight=91g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	2.925	8.313	ND	ND	
Cannabidiolic acid (CBDA)	17.605	53.053	ND	ND	
Cannabidiol (CBD)	17.165	51.726	257.634	2.83	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	17.508	55.801	ND	ND	
Cannabinolic Acid (CBNA)	10.027	31.956	ND	ND	
Cannabinol (CBN)	4.586	14.617	ND	ND	
Cannabigerolic acid (CBGA)	14.696	46.838	ND	ND	
Cannabigerol (CBG)	3.515	11.204	18.145	0.20	
Tetrahydrocannabivarinic Acid (THCVA)	12.426	39.604	ND	ND	
Tetrahydrocannabivarin (THCV)	3.198	10.191	ND	ND	
Cannabidivarinic Acid (CBDVA)	7.344	22.131	ND	ND	
Cannabidivarin (CBDV)	4.060	12.234	ND	ND	
Cannabichromenic Acid (CBCA)	5.663	18.050	ND	ND	
Cannabichromene (CBC)	6.192	19.734	ND	ND	
Total Cannabinoids			275.779	3.03	
Total Potential THC**			ND	ND	
Total Potential CBD**			257.634	2.83	



 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)

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CDPHE Certified



Certificate #4329.02


Prepared for:

Muscle Freeze 3.25
MARYS NUTRITIONALS

Batch ID or Lot Number: 1188	Test: Microbial Contaminants	Reported: 7/16/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Finished Product	Test ID: T000151228	Started: 7/13/21	USDA License: N/A
Status: N/A	Methods: TM24, TM25, TM26, TM27: Microbial (Colorado Compliant)	Received: 07/12/2021 @ 05:37 PM	Sampler ID: N/A

MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LOQ	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	


 Sarah Henning
 16-Jul-21
 10:27 AM


 Brianne Maillot
 16-Jul-21
 12:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

CFU/g = Colony Forming Units 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: 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 3.25
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: T000151231	Started: 7/19/21	USDA License: N/A
Status: N/A	Method: TM18: Mycotoxins	Received: 07/12/2021 @ 05:37 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	12.8 - 401.8	ND	N/A
Aflatoxin B1	3.3 - 101.4	ND	
Aflatoxin B2	3.5 - 102.6	ND	
Aflatoxin G1	3.7 - 98.8	ND	
Aflatoxin G2	2.5 - 96.9	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 3.25
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: T000151229	Started: 7/20/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals (Colorado Panel)	Received: 07/12/2021 @ 05:37 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

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

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Prepared for:

Muscle Freeze 3.25
MARYS NUTRITIONALS


Batch ID or Lot Number: 1188	Test: Residual Solvents	Reported: 7/22/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: N/A	Test ID: T000151230	Started: 7/21/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 07/12/2021 @ 05:37 PM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	70 - 1390	*ND	
Butanes (Isobutane, n-Butane)	129 - 2578	*ND	
Methanol	46 - 921	*ND	
Pentane	68 - 1362	*ND	
Ethanol	68 - 1368	*ND	
Acetone	72 - 1448	*ND	
Isopropyl Alcohol	78 - 1552	*ND	
Hexane	4 - 89	*ND	
Ethyl Acetate	73 - 1465	*ND	
Benzene	0 - 3	*ND	
Heptanes	70 - 1408	*ND	
Toluene	13 - 266	*ND	
Xylenes (m,p,o-Xylenes)	97 - 1946	*ND	


 Taylor Brevik
 22-Jul-21
 9:45 AM


 Sam Smith
 22-Jul-21
 9:52 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

Muscle Freeze 3.25

Batch ID:	1188	Test ID:	T000151227
Type:	Concentrate	Submitted:	07/12/2021 @ 05:37 PM
Test:	Pesticides	Started:	7/13/2021
Method:	TM17	Reported:	7/14/2021

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	46 - 2462	ND*	Malathion	287 - 2462	ND*
Acetamiprid	46 - 2462	ND*	Metalaxyl	51 - 2462	ND*
Abamectin	>314	ND*	Methiocarb	44 - 2462	ND*
Azoxystrobin	43 - 2462	ND*	Methomyl	42 - 2462	ND*
Bifenazate	40 - 2462	ND*	MGK 264 1	176 - 2462	ND*
Boscalid	46 - 2462	ND*	MGK 264 2	125 - 2462	ND*
Carbaryl	45 - 2462	ND*	Myclobutanil	43 - 2462	ND*
Carbofuran	44 - 2462	ND*	Naled	52 - 2462	ND*
Chlorantraniliprole	46 - 2462	ND*	Oxamyl	40 - 2462	ND*
Chlorpyrifos	48 - 2462	ND*	Pacllobutrazol	43 - 2462	ND*
Clofentezine	284 - 2462	ND*	Permethrin	304 - 2462	ND*
Diazinon	288 - 2462	ND*	Phosmet	43 - 2462	ND*
Dichlorvos	>272	ND*	Prophos	288 - 2462	ND*
Dimethoate	44 - 2462	ND*	Propoxur	44 - 2462	ND*
E-Fenpyroximate	304 - 2462	ND*	Pyridaben	288 - 2462	ND*
Etofenprox	44 - 2462	ND*	Spinosad A	30 - 2462	ND*
Etoxazole	303 - 2462	ND*	Spinosad D	81 - 2462	ND*
Fenoxycarb	>50	ND*	Spiromesifen	>286	ND*
Fipronil	58 - 2462	ND*	Spirotetramat	>278	ND*
Flonicamid	55 - 2462	ND*	Spiroxamine 1	20 - 2462	ND*
Fludioxonil	>300	ND*	Spiroxamine 2	25 - 2462	ND*
Hexythiazox	39 - 2462	ND*	Tebuconazole	303 - 2462	ND*
Imazalil	298 - 2462	ND*	Thiacloprid	45 - 2462	ND*
Imidacloprid	51 - 2462	ND*	Thiamethoxam	47 - 2462	ND*
Kresoxim-methyl	48 - 2462	ND*	Trifloxystrobin	44 - 2462	ND*

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

N/A

FINAL APPROVAL


 Taylor Brevik
 14-Jul-2021
 2:00 PM



 Sam Smith
 14-Jul-2021
 2:04 PM

PREPARED BY / DATE

APPROVED BY / DATE

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