

Prepared for:

3.25 Muscle Freeze

MARYS NUTRITIONALS


Batch ID or Lot Number: 1208	Test: Potency	Reported: 8/23/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: Unit	Test ID: T000157504	Started: 8/20/21	USDA License: N/A
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Status: N/A	Method: TM14 (HPLC-DAD): Potency - Full Spectrum Analysis, 0.3% THC (Colorado Panel)	Received: 08/16/2021 @ 02:25 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)	13.737	43.031	ND	ND	# of Servings = 1 Sample Weight=92.1g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	15.504	48.567	ND	ND	
Cannabidiolic acid (CBDA)	23.156	52.304	ND	ND	
Cannabidiol (CBD)	22.577	50.996	232.344	2.52	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	17.072	53.477	ND	ND	
Cannabinolic Acid (CBNA)	9.777	30.626	ND	ND	
Cannabinol (CBN)	4.472	14.008	ND	ND	
Cannabigerolic acid (CBGA)	14.330	44.888	ND	ND	
Cannabigerol (CBG)	3.428	10.738	13.324	0.14	
Tetrahydrocannabivarinic Acid (THCVA)	12.116	37.955	ND	ND	
Tetrahydrocannabivarin (THCV)	3.118	9.767	ND	ND	
Cannabidivarinic Acid (CBDVA)	9.659	21.819	ND	ND	
Cannabidivarin (CBDV)	5.340	12.061	ND	ND	
Cannabichromenic Acid (CBCA)	5.522	17.298	ND	ND	
Cannabichromene (CBC)	6.037	18.912	ND	ND	
Total Cannabinoids			245.668	2.67	
Total Potential THC**			ND	ND	
Total Potential CBD**			232.344	2.52	


Daniel Weidensaul
23-Aug-2021
06:25 PM


Ryan Weems
23-Aug-21
6:27 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.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (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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Certificate #4329.02

Prepared for:

3.25 Muscle Freeze

MARYS NUTRITIONALS

Batch ID or Lot Number: 1208	Test: Microbial Contaminants	Reported: 8/20/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Finished Product	Test ID: T000157506	Started: 8/17/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 08/16/2021 @ 02:25 PM	Sampler ID: N/A

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 ² CFU/g	10 ² CFU/g	1.5x10 ⁴ CFU/g	None Detected	
Total Yeast and Mold*	TM-24, Culture Plating	10 ² 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	

Brianne Maillot
 Brianne Maillot
 8/20/2021
 2:39:00 PM

Sarah Henning
 Sarah Henning
 8/20/2021
 4:08:00 PM

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:

MARYS NUTRITIONALS
3.25 Muscle Freeze

Batch ID or Lot Number: 1208	Test: Mycotoxins	Reported: 8/24/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Concentrate	Test ID: T000157509	Started: 8/23/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 08/16/2021 @ 02:25 PM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.5 - 128.8	ND	N/A
Aflatoxin B1	1 - 33.1	ND	
Aflatoxin B2	1.1 - 32.5	ND	
Aflatoxin G1	0.9 - 32.7	ND	
Aflatoxin G2	1.2 - 31.1	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Alex Smith
 Alex Smith
 24-Aug-21
 6:49 AM

PREPARED BY / DATE

Samantha Smith
 Sam Smith
 24-Aug-21
 3:53 PM

APPROVED BY / DATE

Definitions

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

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3.25 Muscle Freeze

MARYS NUTRITIONALS

Batch ID or Lot Number: **1208** Test: **Residual Solvents** Reported: **8/25/21** Location: 3251 N Revere Street Suite 200 Aurora, CO 80011


Matrix: N/A Test ID: T000157508 Started: 8/25/21 USDA License: N/A

Status: N/A Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel) Received: 08/16/2021 @ 02:25 PM Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	88 - 1769	*ND	
Butanes (Isobutane, n-Butane)	169 - 3378	*ND	
Methanol	68 - 1367	*ND	
Pentane	96 - 1930	*ND	
Ethanol	100 - 2002	*ND	
Acetone	108 - 2166	*ND	
Isopropyl Alcohol	114 - 2273	*ND	
Hexane	7 - 132	*ND	
Ethyl Acetate	110 - 2205	*ND	
Benzene	0 - 4	*ND	
Heptanes	104 - 2075	*ND	
Toluene	20 - 397	*ND	
Xylenes (m,p,o-Xylenes)	146 - 2926	*ND	

 Ryan Weems
25-Aug-21
5:31 PM

 Sam Smith
25-Aug-21
5:34 PM

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APPROVED BY / DATE

Definitions

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

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Prepared for:

MARYS NUTRITIONALS
3.25 Muscle Freeze

Batch ID or Lot Number: 1208	Test: Metals	Reported: 8/20/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Unit Co	Test ID: T000157507	Started: 8/19/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 08/16/2021 @ 02:25 PM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.045 - 4.47	ND	
Cadmium	0.044 - 4.43	ND	
Mercury	0.044 - 4.38	ND	
Lead	0.041 - 4.14	ND	


 Ryan Weems
 20-Aug-21
 9:26 AM

PREPARED BY / DATE


 Sam Smith
 20-Aug-21
 9:29 AM

APPROVED BY / DATE

Definitions

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

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3.25 Muscle Freeze
MARYS NUTRITIONALS

Batch ID or Lot Number: 1208	Test: Pesticides	Reported: 8/20/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: Concentrate	Test ID: T000157505	Started: 8/19/21	USDA License: N/A
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Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 08/16/2021 @ 02:25 PM	Sampler ID: N/A
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PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	33	ND	Fenoxycarb	34	ND	Paclobutrazol	34	ND
Acetamiprid	34	ND	Fipronil	22	ND	Permethrin	292	ND
Avermectin	378	ND	Flonicamid	45	ND	Phosmet	33	ND
Azoxystrobin	37	ND	Fludioxonil	292	ND	Prophos	285	ND
Bifenazate	40	ND	Hexythiazox	34	ND	Propoxur	34	ND
Boscalid	34	ND	Imazalil	286	ND	Pyridaben	303	ND
Carbaryl	30	ND	Imidacloprid	35	ND	Spinosad A	27	ND
Carbofuran	34	ND	Kresoxim-methyl	150	ND	Spinosad D	56	ND
Chlorantraniliprole	32	ND	Malathion	310	ND	Spiromesifen	275	ND
Chlorpyrifos	500	ND	Metalaxyl	36	ND	Spirotetramat	258	ND
Clofentezine	305	ND	Methiocarb	32	ND	Spiroxamine 1	14	ND
Diazinon	296	ND	Methomyl	35	ND	Spiroxamine 2	18	ND
Dichlorvos	277	ND	MGK 264 1	165	ND	Tebuconazole	322	ND
Dimethoate	33	ND	MGK 264 2	126	ND	Thiacloprid	35	ND
E-Fenpyroximate	296	ND	Myclobutanil	32	ND	Thiamethoxam	34	ND
Etofenprox	35	ND	Naled	36	ND	Trifloxystrobin	36	ND
Etoxazole	317	ND	Oxamyl	1500	ND			


 Karen Winternheimer
 8/20/2021
 2:32:00 PM


 Sam Smith
 8/20/2021
 2:36:00 PM

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APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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LOT NUMBER	1208
BRAND	Mary's Nutritionals
PRODUCT NAME	Muscle Freeze 3.25
DATE OF MANUFACTURE	07/27/2021
EXPIRATION DATE	07/27/2023