

Prepared for:

3.25 Muscle Freeze
MARYS NUTRITIONALS


Batch ID or Lot Number: 1237	Test: Potency	Reported: 9/10/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: Unit	Test ID: T000161511	Started: 9/9/21	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: 09/03/2021 @ 09:21 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)	12.553	36.113	ND	ND	# of Servings = 1 Sample Weight=91g
Delta 9-Tetrahydrocannabinol (Delta 9THC)	14.168	40.760	ND	ND	
Cannabidiolic acid (CBDA)	14.740	47.329	ND	ND	
Cannabidiol (CBD)	14.371	46.145	223.720	2.46	
Delta 8-Tetrahydrocannabinol (Delta 8THC)	15.600	44.881	ND	ND	
Cannabinolic Acid (CBNA)	8.934	25.702	ND	ND	
Cannabinol (CBN)	4.086	11.756	ND	ND	
Cannabigerolic acid (CBGA)	13.094	37.672	ND	ND	
Cannabigerol (CBG)	3.132	9.012	19.047	0.21	
Tetrahydrocannabivarinic Acid (THCVA)	11.072	31.854	ND	ND	
Tetrahydrocannabivarin (THCV)	2.849	8.197	ND	ND	
Cannabidivarinic Acid (CBDVA)	6.149	19.743	ND	ND	
Cannabidivarin (CBDV)	3.399	10.914	ND	ND	
Cannabichromenic Acid (CBCA)	5.046	14.518	ND	ND	
Cannabichromene (CBC)	5.517	15.872	ND	ND	
Total Cannabinoids			242.767	2.67	
Total Potential THC**			ND	ND	
Total Potential CBD**			223.720	2.46	


 Ryan Weems
 10-Sep-2021
 06:01 PM


 Daniel Weidensaul
 10-Sep-21
 6:07 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.



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Certificate #4329.02

Prepared for:

3.25 Muscle Freeze
MARYS NUTRITIONALS

Batch ID or Lot Number: 1237	Test: Microbial Contaminants	Reported: 9/7/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Finished Product	Test ID: T000161512	Started: 9/3/21	USDA License: N/A
Status: N/A	Methods: TM25 (qPCR) TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)	Received: 09/03/2021 @ 09:21 AM	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	



 Carly Bader
 9/7/2021
 11:33:00 AM



 Tori King
 9/7/2021
 12:22:00 PM

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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: 1237	Test: Mycotoxins	Reported: 9/13/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Concentrate	Test ID: T000161515	Started: 9/10/21	USDA License: N/A
Status: N/A	Method: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins (Colorado Panel)	Received: 09/03/2021 @ 09:21 AM	Sampler ID: N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.8 - 123.1	ND	N/A
Aflatoxin B1	1 - 32.1	ND	
Aflatoxin B2	0.9 - 32	ND	
Aflatoxin G1	1 - 31.8	ND	
Aflatoxin G2	1 - 31.2	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	


 Sam Smith
 13-Sep-21
 6:13 AM

PREPARED BY / DATE


 Alex Smith
 13-Sep-21
 7:07 AM

APPROVED BY / DATE

Definitions

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

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MARYS NUTRITIONALS


Batch ID or Lot Number: 1237	Test: Residual Solvents	Reported: 9/13/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
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Matrix: N/A	Test ID: T000161514	Started: 9/10/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents (Colorado Panel)	Received: 09/03/2021 @ 09:21 AM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	72 - 1437	*ND	
Butanes (Isobutane, n-Butane)	138 - 2759	*ND	
Methanol	51 - 1028	*ND	
Pentane	76 - 1520	*ND	
Ethanol	82 - 1637	*ND	
Acetone	84 - 1677	*ND	
Isopropyl Alcohol	87 - 1744	*ND	
Hexane	5 - 101	*ND	
Ethyl Acetate	80 - 1597	*ND	
Benzene	0 - 3	*ND	
Heptanes	80 - 1606	*ND	
Toluene	15 - 302	*ND	
Xylenes (m,p,o-Xylenes)	109 - 2180	*ND	


 Sam Smith
 13-Sep-21
 9:56 AM


 Ryan Weems
 13-Sep-21
 9:58 AM

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Definitions

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MARYS NUTRITIONALS
3.25 Muscle Freeze

Batch ID or Lot Number: 1237	Test: Metals	Reported: 9/10/21	Location: 3251 N Revere Street Suite 200 Aurora, CO 80011
Matrix: Unit Co	Test ID: T000161513	Started: 9/8/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals (Colorado Panel)	Received: 09/03/2021 @ 09:21 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.85	ND	
Cadmium	0.047 - 4.66	ND	
Mercury	0.045 - 4.47	ND	
Lead	0.047 - 4.72	ND	


 Daniel Weidensaul
 10-Sep-21
 12:51 PM


 Ryan Weems
 10-Sep-21
 12:53 PM

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Definitions

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LOT NUMBER	1237
BRAND	Mary's Nutritionals
PRODUCT NAME	3.25oz Muscle Freeze
DATE OF MANUFACTURE	08/25/2021
EXPIRATION DATE	08/25/2023