

Prepared for:  
**MUSCLE MX LLC**

498 West 8360 South  
Sandy, UT USA 84070

## Muscle MX Relax CBD Gummy Bottle

Batch ID or Lot Number: <b>10367C</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 6 of 6
Reported: <b>20Jun2023</b>	Started: 18Jun2023	Received: 14Jun2023	



Testing results are based solely upon the sample submitted to SC Laboratories, Inc., in the condition it was received. SC Laboratories, Inc., 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 SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited by A2LA. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA](#) for more details.



Cert #4329.02  
07a7a400a08f48a9bf72c840acf0c3dc.1

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### Cannabinoids


Test ID: T000246260

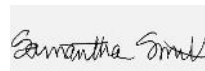
Methods: TM14 (HPLC-DAD): Potency - Broad

Spectrum Analysis, 0.01% THC

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.261	0.816	ND	ND	# of Servings = 1 Sample Weight=3.456g
Cannabichromenic Acid (CBCA)	0.239	0.746	ND	ND	
Cannabidiol (CBD)	0.723	2.034	31.547	9.13	
Cannabidiolic Acid (CBDA)	0.741	2.086	ND	ND	
Cannabidivarin (CBDV)	0.171	0.481	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.309	0.870	ND	ND	
Cannabigerol (CBG)	0.148	0.463	2.297	0.66	
Cannabigerolic Acid (CBGA)	0.619	1.936	ND	ND	
Cannabinol (CBN)	0.193	0.604	2.316	0.67	
Cannabinolic Acid (CBNA)	0.422	1.321	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.738	2.307	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.112	0.349	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.099	0.309	ND	ND	
Tetrahydrocannabivarin (THCV)	0.135	0.421	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.523	1.637	ND	ND	
<b>Total Cannabinoids</b>			<b>36.160</b>	<b>10.46</b>	
Total Potential THC			ND	ND	
Total Potential CBD			31.547	9.13	

### Final Approval

  
Karen Winternheimer  
21Jun2023  
03:05:00 PM MDT  
PREPARED BY / DATE

  
Sam Smith  
21Jun2023  
03:06:00 PM MDT  
APPROVED BY / DATE

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### Residual Solvents

Test ID: T000246264


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	111 - 2224	ND	
Butanes (Isobutane, n-Butane)	224 - 4471	ND	
Methanol	61 - 1219	ND	
Pentane	109 - 2180	ND	
Ethanol	98 - 1958	ND	
Acetone	102 - 2045	ND	
Isopropyl Alcohol	96 - 1927	ND	
Hexane	6 - 129	ND	
Ethyl Acetate	101 - 2029	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	106 - 2116	ND	
Toluene	17 - 339	ND	
Xylenes (m,p,o-Xylenes)	115 - 2306	ND	

### Final Approval

 Sam Smith  
20Jun2023  
01:00:00 PM MDT

PREPARED BY / DATE

 Karen Winternheimer  
20Jun2023  
12:59:00 PM MDT

APPROVED BY / DATE

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## Microbial Contaminants

Test ID: T000246262

Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval

 Eden Thompson-Wright 21Jun2023 10:14:00 AM MDT	 Brianne Maillot 21Jun2023 10:19:00 AM MDT
PREPARED BY / DATE	APPROVED BY / DATE

## Heavy Metals

Test ID: T000246263

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.34	ND	
Cadmium	0.05 - 4.81	ND	
Mercury	0.05 - 4.68	ND	
Lead	0.09 - 8.80	ND	

### Final Approval

 Sam Smith 21Jun2023 01:32:00 PM MDT	 Karen Winternheimer 21Jun2023 01:35:00 PM MDT
PREPARED BY / DATE	APPROVED BY / DATE

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### Mycotoxins


Test ID: T000246265


Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.43 - 137.19	ND	N/A
Aflatoxin B1	1.00 - 33.38	ND	
Aflatoxin B2	1.00 - 33.42	ND	
Aflatoxin G1	1.03 - 33.68	ND	
Aflatoxin G2	1.03 - 33.85	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Sam Smith  
23Jun2023  
01:33:00 PM MDT  
PREPARED BY / DATE

  
Karen Winternheimer  
23Jun2023  
01:36:00 PM MDT  
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/07a7a400-a08f-48a9-bf72-c840acf0c3dc>

**Definitions**  
LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (w/w) = Percent (weight of analyte / weight of product). ND = None Detected (defined by dynamic range of the method). Total Potential Delta 9-THC or CBD is calculated to take into account the loss of a carboxyl group during decarboxylation step, using the following formulas: Total Potential Delta 9-THC = Delta 9-THC + (Delta 9-THCa \*(0.877)) and Total CBD = CBD + (CBDa \*(0.877)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC 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)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), 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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 100,000 CFU.

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### Pesticides

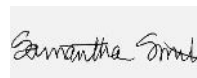
Test ID: T000246261

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	359 - 2662	ND		Malathion	313 - 2747	ND
Acephate	42 - 2788	ND		Metalaxyl	43 - 2758	ND
Acetamiprid	45 - 2762	ND		Methiocarb	40 - 2804	ND
Azoxystrobin	46 - 2737	ND		Methomyl	43 - 2762	ND
Bifenazate	42 - 2752	ND		MGK 264 1	177 - 1685	ND
Boscalid	45 - 2816	ND		MGK 264 2	126 - 1066	ND
Carbaryl	42 - 2713	ND		Myclobutanil	40 - 2798	ND
Carbofuran	44 - 2721	ND		Naled	47 - 2746	ND
Chlorantraniliprole	39 - 2775	ND		Oxamyl	42 - 2779	ND
Chlorpyrifos	37 - 2717	ND		Paclobutrazol	46 - 2719	ND
Clofentezine	279 - 2768	ND		Permethrin	295 - 2705	ND
Diazinon	297 - 2737	ND		Phosmet	39 - 2766	ND
Dichlorvos	258 - 2752	ND		Prophos	298 - 2802	ND
Dimethoate	42 - 2735	ND		Propoxur	44 - 2715	ND
E-Fenpyroximate	288 - 2720	ND		Pyridaben	294 - 2688	ND
Etofenprox	42 - 2698	ND		Spinosad A	31 - 2075	ND
Etoxazole	295 - 2696	ND		Spinosad D	67 - 664	ND
Fenoxycarb	18 - 2770	ND		Spiromesifen	288 - 2694	ND
Fipronil	41 - 2829	ND		Spirotetramat	296 - 2800	ND
Flonicamid	47 - 2822	ND		Spiroxamine 1	16 - 1250	ND
Fludioxonil	319 - 2813	ND		Spiroxamine 2	22 - 1552	ND
Hexythiazox	43 - 2735	ND		Tebuconazole	310 - 2775	ND
Imazalil	278 - 2786	ND		Thiacloprid	44 - 2756	ND
Imidacloprid	40 - 2763	ND		Thiamethoxam	44 - 2791	ND
Kresoxim-methyl	41 - 2808	ND		Trifloxystrobin	43 - 2724	ND

### Final Approval

  
 Karen Winternheimer  
 22Jun2023  
 12:35:00 PM MDT  
 PREPARED BY / DATE

  
 Sam Smith  
 22Jun2023  
 12:41:00 PM MDT  
 APPROVED BY / DATE