SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
MUSCLE MX LLC
498 West 8360 South
Sandy, UT USA 84070

Muscle MX Balance CBD Natural Drops

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 6 of 6
MXBALN_23	Various	Finished Product	
Reported:	**Started:**	**Received:**	
20Jun2023	18Jun2023	14Jun2023	

Cert #4329.02
f2068a6ba0ce4f929d28aa5e2e36c209.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
MUSCLE MX LLC
498 West 8360 South
Sandy, UT USA 84070

Muscle MX Balance CBD Natural Drops

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 3 of 6
MXBALN_23	Various	Finished Product	
Reported:	**Started:**	**Received:**	
20Jun2023	18Jun2023	14Jun2023	

Cannabinoids

Test ID: T000246266
Methods: TM14 (HPLC-DAD): Potency - Full Spectrum

Analysis, 0.3% THC	**LOD** (mg)	**LOQ** (mg)	**Result** (mg)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	2.062	6.448	27.388	0.91	# of Servings = 1
Cannabichromenic Acid (CBCA)	1.886	5.898	ND	ND	Sample Weight=30g
Cannabidiol (CBD)	5.714	16.073	959.203	31.97	
Cannabidiolic Acid (CBDA)	5.860	16.485	ND	ND	
Cannabidivarin (CBDV)	1.351	3.801	10.377	0.35	
Cannabidivarinic Acid (CBDVA)	2.445	6.877	ND	ND	
Cannabigerol (CBG)	1.171	3.661	11.148	0.37	
Cannabigerolic Acid (CBGA)	4.893	15.305	ND	ND	
Cannabinol (CBN)	1.527	4.776	8.004	0.27	
Cannabinolic Acid (CBNA)	3.339	10.442	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	5.830	18.234	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	5.294	16.560	59.850	2.00	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	4.691	14.672	ND	ND	
Tetrahydrocannabivarin (THCV)	1.065	3.330	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	4.138	12.941	ND	ND	
Total Cannabinoids			**1075.970**	**35.87**	
Total Potential THC			59.850	2.00	
Total Potential CBD			959.203	31.97	

Final Approval

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

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

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
MUSCLE MX LLC
498 West 8360 South
Sandy, UT USA 84070

Muscle MX Balance CBD Natural Drops

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
MXBALN_23	Various	Finished Product	
Reported:	Started:	Received:	
20Jun2023	18Jun2023	14Jun2023	

Residual Solvents

Test ID: T000246270
Methods: TM04 (GC-MS): Residual Solvents

	Dynamic Range (ppm)	**Result** (ppm)	**Notes**
Propane	109 - 2175	ND	
Butanes (Isobutane, n-Butane)	219 - 4372	ND	
Methanol	60 - 1192	ND	
Pentane	107 - 2131	ND	
Ethanol	96 - 1915	ND	
Acetone	100 - 2000	ND	
Isopropyl Alcohol	94 - 1884	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	99 - 1984	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	103 - 2069	ND	
Toluene	17 - 332	ND	
Xylenes (m,p,o-Xylenes)	113 - 2255	ND	

Final Approval

Samantha Smith
Sam Smith
20Jun2023
01:00:00 PM MDT
PREPARED BY / DATE

K Winternheimer
Karen Winternheimer
20Jun2023
12:59:00 PM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
MUSCLE MX LLC
498 West 8360 South
Sandy, UT USA 84070

Muscle MX Balance CBD Natural Drops

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
MXBALN_23	Various	Finished Product	
Reported:	Started:	Received:	
20Jun2023	18Jun2023	14Jun2023	

Microbial Contaminants

Test ID: T000246268
Methods: TM25 (PCR) TM24, TM26, TM27 (Culture Plating)

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

Final Approval

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

Brianne Maillot
21Jun2023
10:19:00 AM MDT
APPROVED BY / DATE

Heavy Metals

Test ID: T000246269
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
PREPARED BY / DATE

Karen Winternheimer
21Jun2023
01:35:00 PM MDT
APPROVED BY / DATE

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
MUSCLE MX LLC
498 West 8360 South
Sandy, UT USA 84070

Muscle MX Balance CBD Natural Drops

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	Page 5 of 6
MXBALN_23	Various	Finished Product	
Reported:	Started:	Received:	
20Jun2023	18Jun2023	14Jun2023	

Mycotoxins

Test ID: T000246271
Methods: TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	**Result** (ppb)	**Notes**
Ochratoxin A	1.38 - 132.98	ND	N/A
Aflatoxin B1	0.97 - 32.36	ND	
Aflatoxin B2	0.97 - 32.39	ND	
Aflatoxin G1	1.00 - 32.65	ND	
Aflatoxin G2	1.00 - 32.81	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/f2068a6b-a0ce-4f92-9d28-aa5e2e36c209

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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 100,000 CFU.

Cert #4329.02
f2068a6ba0ce4f929d28aa5e2e36c209.1

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

Prepared for:
MUSCLE MX LLC
498 West 8360 South
Sandy, UT USA 84070

Muscle MX Balance CBD Natural Drops

Batch ID or Lot Number:	Test, Test ID and Methods:	Matrix:	
MXBALN_23	Various	Finished Product	
Reported:	Started:	Received:	
20Jun2023	18Jun2023	14Jun2023	

Pesticides

Test ID: T000246267
Methods: TM17

(LC-QQ LC MS/MS)	**Dynamic Range** (ppb)	**Result** (ppb)
Abamectin	359 - 2662	ND
Acephate	42 - 2788	ND
Acetamiprid	45 - 2762	ND
Azoxystrobin	46 - 2737	ND
Bifenazate	42 - 2752	ND
Boscalid	45 - 2816	ND
Carbaryl	42 - 2713	ND
Carbofuran	44 - 2721	ND
Chlorantraniliprole	39 - 2775	ND
Chlorpyrifos	37 - 2717	ND
Clofentezine	279 - 2768	ND
Diazinon	297 - 2737	ND
Dichlorvos	258 - 2752	ND
Dimethoate	42 - 2735	ND
E-Fenpyroximate	288 - 2720	ND
Etofenprox	42 - 2698	ND
Etoxazole	295 - 2696	ND
Fenoxycarb	18 - 2770	ND
Fipronil	41 - 2829	ND
Flonicamid	47 - 2822	ND
Fludioxonil	319 - 2813	ND
Hexythiazox	43 - 2735	ND
Imazalil	278 - 2786	ND
Imidacloprid	40 - 2763	ND
Kresoxim-methyl	41 - 2808	ND

	Dynamic Range (ppb)	**Result** (ppb)
Malathion	313 - 2747	ND
Metalaxyl	43 - 2758	ND
Methiocarb	40 - 2804	ND
Methomyl	43 - 2762	ND
MGK 264 1	177 - 1685	ND
MGK 264 2	126 - 1066	ND
Myclobutanil	40 - 2798	ND
Naled	47 - 2746	ND
Oxamyl	42 - 2779	ND
Paclobutrazol	46 - 2719	ND
Permethrin	295 - 2705	ND
Phosmet	39 - 2766	ND
Prophos	298 - 2802	ND
Propoxur	44 - 2715	ND
Pyridaben	294 - 2688	ND
Spinosad A	31 - 2075	ND
Spinosad D	67 - 664	ND
Spiromesifen	288 - 2694	ND
Spirotetramat	296 - 2800	ND
Spiroxamine 1	16 - 1250	ND
Spiroxamine 2	22 - 1552	ND
Tebuconazole	310 - 2775	ND
Thiacloprid	44 - 2756	ND
Thiamethoxam	44 - 2791	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