

Prepared for:
Sivan CBD

 PO Box 378
 Point Lookout, NY USA 11569

1000mg/3.5oz Artic Chill Muscle Gel

Batch ID or Lot Number: 16718-01	Test, Test ID and Methods: Various	Matrix: Unit	Page 1 of 1
Reported: 04May2022	Started: 29Apr2022	Received: 28Apr2022	

Cannabinoids

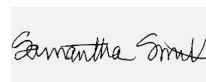
Test ID: T000205086

Methods: TM14 (HPLC-DAD)

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	17.665	57.957	239.510	2.40	Amendment to T000205086 issued 02May2022 to correct laboratory data reporting error. # of Servings = 1, Sample Weight=99.225g
Cannabichromenic Acid (CBCA)	16.157	53.011	ND	ND	
Cannabidiol (CBD)	44.447	153.080	597.610	6.00	
Cannabidiolic Acid (CBDA)	45.587	157.006	ND	ND	
Cannabidivarin (CBDV)	10.512	36.205	ND	ND	
Cannabidivarinic Acid (CBDVA)	19.017	65.495	ND	ND	
Cannabigerol (CBG)	10.030	32.906	217.580	2.20	
Cannabigerolic Acid (CBGA)	41.928	137.561	ND	ND	
Cannabinol (CBN)	13.084	42.929	139.710	1.40	
Cannabinolic Acid (CBNA)	28.606	93.854	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	49.951	163.885	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	45.364	148.837	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	40.193	131.870	ND	ND	
Tetrahydrocannabivarin (THCV)	9.123	29.931	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	35.452	116.315	ND	ND	
Total Cannabinoids			1194.410	12.04	
Total Potential THC			ND	ND	
Total Potential CBD			597.610	6.02	

Final Approval

 Jacob Miller
 04May2022
 08:36:00 AM MDT
 PREPARED BY / DATE


 Sam Smith
 04May2022
 08:39:00 AM MDT
 APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/434e4d6c-a31c-4182-b54b-fa83fc44e7c2>

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 100,000 CFU.

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. 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](#).


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Prepared for:
Sivan CBD


PO Box 378
Point Lookout, NY USA 11569

1000mg/3.5oz Artic Chill Muscle Gel

Batch ID or Lot Number: 16718-01	Test: Pesticides	Reported: 05May2022	USDA License: NA
Matrix: Concentrate	Test ID: T000205375	Started: 03May2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 29Apr2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	370 - 2591	ND	Malathion	276 - 2732	ND
Acephate	43 - 2785	ND	Metalaxyl	43 - 2677	ND
Acetamiprid	39 - 2764	ND	Methiocarb	45 - 2770	ND
Azoxystrobin	50 - 2751	ND	Methomyl	41 - 2768	ND
Bifenazate	38 - 2689	ND	MGK 264 1	164 - 1632	ND
Boscalid	41 - 2829	ND	MGK 264 2	115 - 1148	ND
Carbaryl	39 - 2732	ND	Myclobutanil	35 - 2826	ND
Carbofuran	43 - 2727	ND	Naled	50 - 2755	ND
Chlorantraniliprole	57 - 2716	ND	Oxamyl	39 - 2787	ND
Chlorpyrifos	41 - 2676	ND	Pacllobutrazol	40 - 2708	ND
Clofentezine	290 - 2773	ND	Permethrin	281 - 2618	ND
Diazinon	266 - 2710	ND	Phosmet	42 - 2702	ND
Dichlorvos	278 - 2799	ND	Prophos	265 - 2783	ND
Dimethoate	46 - 2748	ND	Propoxur	42 - 2732	ND
E-Fenpyroximate	279 - 2765	ND	Pyridaben	298 - 2651	ND
Etofenprox	44 - 2712	ND	Spinosad A	33 - 2264	ND
Etoxazole	303 - 2667	ND	Spinosad D	52 - 487	ND
Fenoxycarb	32 - 2691	ND	Spiromesifen	302 - 2674	ND
Fipronil	10 - 2618	ND	Spirotetramat	273 - 2683	ND
Flonicamid	49 - 2710	ND	Spiroxamine 1	18 - 1194	ND
Fludioxonil	268 - 2761	ND	Spiroxamine 2	25 - 1593	ND
Hexythiazox	46 - 2678	ND	Tebuconazole	284 - 2681	ND
Imazalil	273 - 2705	ND	Thiacloprid	42 - 2776	ND
Imidacloprid	44 - 2772	ND	Thiamethoxam	48 - 2749	ND
Kresoxim-methyl	37 - 2663	ND	Trifloxystrobin	43 - 2768	ND

Final Approval



Karen Winternheimer
05May2022
09:21:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
05May2022
09:24:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/95753e59-91dc-458f-882f-808115a04bff>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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Prepared for:
Sivan CBD

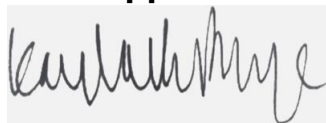
PO Box 378
Point Lookout, NY USA 11569

1000mg/3.5oz Artic Chill Muscle Gel

Batch ID or Lot Number: 16718-01	Test: Heavy Metals	Reported: 03May2022	USDA License: NA
Matrix: Unit	Test ID: T000205377	Started: 03May2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 29Apr2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.30	ND	
Cadmium	0.04 - 4.16	ND	
Mercury	0.06 - 5.73	ND	
Lead	0.04 - 4.07	ND	

Final Approval



Kayla Phye
03May2022
03:43:00 PM MDT

PREPARED BY / DATE



Sam Smith
03May2022
03:48:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/698ab2c9-9efe-4d6f-ae52-1995dfda82bb>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
Sivan CBD


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Point Lookout, NY USA 11569

1000mg/3.5oz Artic Chill Muscle Gel

Batch ID or Lot Number: 16718-01	Test: Residual Solvents	Reported: 02May2022	USDA License: N/A
Matrix: Topical	Test ID: T000205378	Started: 02May2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 29Apr2022	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	72 - 1446	ND	
Butanes (Isobutane, n-Butane)	145 - 2895	ND	
Methanol	53 - 1069	ND	
Pentane	77 - 1530	ND	
Ethanol	84 - 1670	>1670	
Acetone	87 - 1739	ND	
Isopropyl Alcohol	95 - 1897	ND	
Hexane	5 - 103	ND	
Ethyl Acetate	87 - 1745	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	85 - 1708	ND	
Toluene	16 - 322	ND	
Xylenes (m,p,o-Xylenes)	120 - 2392	ND	

Final Approval



Sam Smith
02May2022
04:21:00 PM MDT

PREPARED BY / DATE



Hannah Wright
02May2022
04:23:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/40d5177c-5e21-473a-b467-8bac8aa76f84>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
Sivan CBD


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 Point Lookout, NY USA 11569

1000mg/3.5oz Artic Chill Muscle Gel

Batch ID or Lot Number: 16718-01	Test: Microbial Contaminants	Reported: 02May2022	USDA License: NA
Matrix: Finished Product	Test ID: T000205376	Started: 29Apr2022	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 29Apr2022	Status: NA

Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/g	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


PREPARED BY / DATE

 Eden Thompson-Wright
 02May2022
 04:21:00 PM MDT



APPROVED BY / DATE

 Brianne Maillot
 02May2022
 04:50:00 PM MDT

<https://results.botanacor.com/api/v1/coas/uuid/f1416f21-bef2-4f89-968a-6e2a7bf2a870>
Definitions

* 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
 CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
 ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
 STEC = Shiga Toxin-Producing E. coli

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