CERTIFICATE OF ANALYSIS

PRODUCT NAME: Muscle Gel
PRODUCT STRENGTH: 900mg / bottle
BATCH: 230830C
BEST BY DATE: 05/01/2025

Physical Atttributes

Test	Method	Specification	Results
Color	Internal	Clear to White	PASS
Odor	Internal	Lemongrass and Hemp	PASS
Appearance	Internal	Gel consistency with light viscosity	PASS
Primary Package Eval.	Internal	Container clean and free of filth. Lid intact.	PASS
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS

Review of Third-Party Analysis

Panel	Method	Specification	Results*	Pass/Fail
Potency - Total CBD	HPLC-UV DAD	LOQ*: ≥ 900mg / bottle	**998mg**	PASS
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% THC (Broad Spectrum)	**Below LOQ**	PASS
Expanded Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	**Below LOQ**	PASS
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 **CFU/25 gram	**Absent**	PASS
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	**Absent**	PASS
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	**Below LOQ**	PASS
Microbial Total Coliforms*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	**Below LOQ**	PASS
Microbial Total Aerobic Count*	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	**Below LOQ**	PASS
Heavy Metals	ICP-MS	Arsenic (As): ≤1.5 ppm† Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	**Below LOQ**	PASS
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb†† Afltoxin B1 < 5 ppb Ochratoxin < 5ppb	**Below LOQ**	PASS
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	**Below LOQ**	PASS

*Level of Quantification
**Colony Forming Units per Gram
† Parts Per Million †† Part Per Billion

Values expressed in scientific notation.
Examples:
10^2=100
10^3=1,000

Quality Certified — Name — 9/13/2023 — Date

SC Labs®
Formerly Botanacor Labs

Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

900mg Muscle Gel

Batch ID or Lot Number:	Test:	Reported:	USDA License:
230830C	**Potency**	**12Sep2023**	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000255122	12Sep2023	N/A
	Method(s): TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	Received: 06Sep2023	Status: Active

Cannabinoids

	LOD (%)	**LOQ** (%)	**Result** (%)	**Result** (mg/g)	**Notes**
Cannabichromene (CBC)	0.005	0.016	0.033	0.33	
Cannabichromenic Acid (CBCA)	0.005	0.015	ND	ND	
Cannabidiol (CBD)	0.017	0.042	1.109	11.09	
Cannabidiolic Acid (CBDA)	0.017	0.043	ND	ND	
Cannabidivarin (CBDV)	0.004	0.010	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.007	0.018	ND	ND	
Cannabigerol (CBG)	0.003	0.009	0.034	0.34	
Cannabigerolic Acid (CBGA)	0.012	0.039	ND	ND	
Cannabinol (CBN)	0.004	0.012	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.008	0.027	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.015	0.046	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.013	0.042	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.012	0.037	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.008	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.011	0.033	ND	ND	
Total Cannabinoids			**1.176**	**11.76**	
Total Potential THC			<LOQ	<LOQ	
Total Potential CBD			1.109	11.09	

Final Approval

Sam Smith
12Sep2023
02:09:00 PM MDT

PREPARED BY / DATE

Karen Winternheimer
12Sep2023
02:12:00 PM MDT

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/b6285458-8bcc-45a3-ab08-8fb094f77f18

Definitions
% = % (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)).

b62854588bcc45a3ab088fb094f77f18.1

ACS LABORATORY | CANNABIS & HEMP BEYOND COMPLIANCE
721 Cortaro Dr.
Sun City Center, FL 33573
www.acslabcannabis.com

DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

EXTRACT
Sample Matrix:
CBD/HEMP
Derivative Products
(Ingestion)

Certificate of Analysis

Compliance Test

900mg CBD Muscle Gel

Order # EVG220906-010001
Order Date: 2022-09-06
Sample # AADJ266

Batch # 230830C
Batch Date: 2022-09-01
Extracted From: HEMP

Test Reg State: Colorado

Initial Gross Weight: 3.220 g

Sampling Date: 2022-09-08
Completed Date: 2022-09-12

Pesticides - CO

Passed

SOP 14.003 (LCMS/GCMS)

Specimen Weight: 542.760 mg

Dilution Factor: 2.760

Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Limit (ppb)	Result (ppb)
Abamectin	3.1800E-4	250	250	<LOQ	Dodemorph	6.4700E-12	50	*	<LOQ	Naled	5.8500E-6	100	*	<LOQ
Acephate	3.9632E-2	50	50	<LOQ	Endosulfan sulfate	8.8376E-1	2500	2500	<LOQ	Novaluron	2.0500E-4	25	25	<LOQ
Acequinocyl	5.7646E-2	30	*	<LOQ	Endosulfan-alpha	1.2220E+1	2500	2500	<LOQ	Oxamyl	1.6190E-3	1500	1500	<LOQ
Acetamiprid	3.3800E-10	50	50	<LOQ	Endosulfan-beta	2.2760E+1	2500	2500	<LOQ	Paclobutrazol	6.9300E-8	10	10	<LOQ
Aldicarb	2.2744E-2	500	500	<LOQ	Ethoprophos	1.5900E-5	10	10	<LOQ	Pentachloronitrobenzen(Quintozene)	4.3900E+0	20	*	<LOQ
Allethrin	4.7244E-1	100	100	<LOQ	Etofenprox	8.3050E-3	50	*	<LOQ	Permethrin	2.2089E-2	500	*	<LOQ
Atrazine	3.7992E-1	25	*	<LOQ	Etoxazole	8.3558E-1	20	*	<LOQ	Phenothrin	2.1200E-7	50	*	<LOQ
Azadirachtin	3.0710E-3	500	500	<LOQ	Etridiazole	4.0200E+0	150	150	<LOQ	Phosmet	9.6150E-3	20	*	<LOQ
Azoxystrobin	1.3247E-2	10	10	<LOQ	Fenhexamid	1.0947E+0	125	*	<LOQ	Piperonylbutoxide	1.3400E-7	1250	1250	<LOQ
Benzovindiflupyr	1.2567E-2	10	10	<LOQ	Fenoxycarb	3.4507E-1	10	10	<LOQ	Pirimicarb	5.6600E-5	10	10	<LOQ
Bifenazate	2.1700E-8	10	10	<LOQ	Fenpyroximate	4.4800E-7	20	*	<LOQ	Prallethrin	1.6732E-1	50	*	<LOQ
Bifenthrin	8.4200E-4	1000	*	<LOQ	Fensulfothion	7.9400E-4	10	10	<LOQ	Propiconazole	2.1300E-14	10	*	<LOQ
Boscalid	4.3300E-6	10	10	<LOQ	Fenthion	4.9113E+0	10	10	<LOQ	Propoxur	3.5081E-1	10	10	<LOQ
Buprofezin	1.6600E-9	20	*	<LOQ	Fenvalerate	5.9775E-1	100	*	<LOQ	Pyraclostrobin	5.3100E-7	10	10	<LOQ
Carbaryl	1.3800E-5	25	25	<LOQ	Fipronil	2.8847E-2	10	10	<LOQ	Pyrethrins	6.2350E-3	50	*	<LOQ
Carbofuran	7.7600E-5	10	10	<LOQ	Flonicamid	6.9733E-2	25	25	<LOQ	Pyridaben	8.7500E-15	20	20	<LOQ
Chlorantraniliprole	1.3559E-1	20	*	<LOQ	Fludioxonil	1.3402E-2	10	10	<LOQ	Pyriproxyfen	9.5800E-5	10	*	<LOQ
Chlorfenapyr	1.5370E+1	1500	1500	<LOQ	Fluopyram	1.1200E-9	10	10	<LOQ	Resmethrin	6.8013E-2	50	50	<LOQ
Chlorpyrifos	9.0900E-5	500	500	<LOQ	Hexythiazox	6.1900E-5	10	*	<LOQ	Spinetoram	2.3645E-2	10	10	<LOQ
Clofentezine	3.7100E-7	10	10	<LOQ	Imazalil	2.9500E-4	10	10	<LOQ	Spinosad	5.9903E-1	10	10	<LOQ
Clothianidin	3.9900E-4	25	25	<LOQ	Imidacloprid	1.5300E-4	10	10	<LOQ	Spirodiclofen	3.7377E+6	250	*	<LOQ
Coumaphos	9.8600E-5	10	10	<LOQ	Iprodione	1.0554E-1	500	500	<LOQ	Spiromesifen	3.2183E-1	3000	*	<LOQ
Cyantraniliprole	6.0040E-3	10	10	<LOQ	Kinoprene	3.4000E+0	500	1250	<LOQ	Spirotetramat	4.2760E-2	10	10	<LOQ
Cyfluthrin	2.8130E+1	200	*	<LOQ	Kresoxim Methyl	1.4500E-4	150	150	<LOQ	Spiroxamine	1.2172E+0	100	*	<LOQ
Cypermethrin	1.1900E-6	300	*	<LOQ	Lambda Cyhalothrin	1.1686E-1	250	*	<LOQ	Tebuconazole	1.4800E-14	10	10	<LOQ
Cyprodinil	1.1410E-3	10	10	<LOQ	Malathion	1.3300E-4	10	10	<LOQ	Tebufenozide	1.8121E-2	10	10	<LOQ
Daminozide	3.0408E-1	100	*	<LOQ	Metalaxyl	4.8600E-5	10	10	<LOQ	Teflubenzuron	1.6620E-2	25	25	<LOQ
Deltamethrin	4.9284E-1	500	*	<LOQ	Methiocarb	2.2810E-3	10	10	<LOQ	Tetrachlorvinphos	8.3913E-1	10	10	<LOQ
Diazinon	3.9100E-10	20	*	<LOQ	Methomyl	1.1500E-6	25	25	<LOQ	Tetramethrin	9.9200E-5	100	*	<LOQ
Dichlorvos	1.1406E+0	50	50	<LOQ	Methoprene	1.1485E+0	2000	*	<LOQ	Thiabendazole	1.2510E-3	20	*	<LOQ
Dimethoate	2.8400E-6	10	10	<LOQ	methyl-Parathion	4.2400E+0	50	*	<LOQ	Thiacloprid	1.1200E-5	10	10	<LOQ
Dimethomorph	1.5700E-4	50	*	<LOQ	Mevinphos	4.4200E-5	25	25	<LOQ	Thiamethoxam	2.2500E-6	10	10	<LOQ
Dinotefuran	2.3697E-1	50	50	<LOQ	MGK-264	2.5880E-3	50	*	<LOQ	Thiophanate-methyl	2.2300E-4	50	*	<LOQ
Diuron	6.8620E-3	125	*	<LOQ	Myclobutanil	7.0006E-1	10	10	<LOQ	Trifloxystrobin	2.1700E-13	10	10	<LOQ

Xueli Gao, Ph.D., DABT — Lab Toxicologist

Aixia Sun, D.H.Sc., M.Sc., B.Sc., MT (AAB) — Lab Director/Principal Scientist

Definitions and Abbreviations used in this report: Total ActiveCBD = CBD + (CBD-A * 0.877), *Total CBDV = CBDV + (CBDVA * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87) , CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta6a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, , LOD = Limit of Detection, (µg/g) = Microgram per Grain (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram

QA By: 1057 on 2022-09-12 18:02:07 V1

botanacor

CERTIFICATE OF ANALYSIS

900mg CBD Muscle Gel

Batch ID or Lot Number:	Test:	Reported:
230830C	**Metals**	**9/2/22**

Matrix:	Test ID:	Started:	USDA License:
Other	T000219849	9/2/22	N/A

Status:	Method:	Received:	Sampler ID:
Active	TM19 (ICP-MS): Heavy Metals	08/30/2022 @ 09:31 AM	N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.045 - 4.54	ND
Cadmium	0.046 - 4.59	ND
Mercury	0.044 - 4.45	ND
Lead	0.045 - 4.48	ND

Notes

Daniel Weidensaul
2-Sep-22
1:45 PM
PREPARED BY / DATE

Courtney Richards
2-Sep-22
5:18 PM
APPROVED BY / DATE

Definitions

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.

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

900mg CBD Muscle Gel

Batch ID or Lot Number:	Test:	Reported:
230830C	**Mycotoxins**	**9/6/22**

Matrix:	Test ID:	Started:	USDA License:
Concentrate	T000219851	9/2/22	N/A

Status:	Method:	Received:	Sampler ID:
Active	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	08/30/2022 @ 09:31 AM	N/A

MYCOTOXIN DETERMINATION

Compound	Dynamic Range (ppb)	Result (ppb)
Ochratoxin A	1.9 - 126.3	ND
Aflatoxin B1	0.9 - 30.2	ND
Aflatoxin B2	0.9 - 30.7	ND
Aflatoxin G1	1 - 31.1	ND
Aflatoxin G2	1 - 31.4	ND
Total Aflatoxins (B1, B2, G1, and G2)		ND

Notes

N/A

Jacob Miller
6-Sep-22
3:10 PM
PREPARED BY / DATE

Sam Smith
6-Sep-22
3:14 PM
APPROVED BY / DATE

Definitions

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

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01

Certificate #4329.02

SC Labs®
Formerly Botanacor Labs

CERTIFICATE OF ANALYSIS

900mg CBD Muscle Gel

Batch ID or Lot Number:	Test:	Reported:
230830C	**Residual Solvents**	**9/1/22**

Matrix:	Test ID:	Started:	USDA License:
N/A	T000219850	8/31/22	N/A

Status:	Methods:	Received:	Sampler ID:
Active	TM04 (GC-MS): Residual Solvents	08/30/2022 @ 09:31 AM	N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	70 - 1397	*ND
Butanes (Isobutane, n-Butane)	147 - 2935	*ND
Methanol	48 - 952	*ND
Pentane	78 - 1557	*ND
Ethanol	75 - 1503	*ND
Acetone	78 - 1560	*ND
Isopropyl Alcohol	79 - 1578	*ND
Hexane	5 - 95	*ND
Ethyl Acetate	79 - 1578	*ND
Benzene	0.2 - 3.2	*ND
Heptanes	79 - 1570	*ND
Toluene	14 - 281	*ND
Xylenes (m,p,o-Xylenes)	104 - 2077	*ND

Notes

Daniel Weidensaul
1-Sep-22
5:11 PM
PREPARED BY / DATE

Jacob Miller
1-Sep-22
5:13 PM
APPROVED BY / DATE

Definitions

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

Testing results are based solely upon the sample submitted to SC Laboratories, Inc. 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. All decision rulings are in accordance with the MED and results uploaded to METRC. This report may not be reproduced, except in full, without the written approval of SC Laboratories, Inc. ISO/IEC 17025:2017 Accredited A2LA Certificate Number 4329.01

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

SC Labs®
Formerly Botanacor Labs

Official Compliance: Colorado

CERTIFICATE OF ANALYSIS

900mg Muscle Gel

Batch ID or Lot Number: **230830C**	Test: **Microbial Contaminants**	Reported: **11Sep2023**	USDA License: N/A
Matrix: Finished Product	Test ID: T000255123	Started: 07Sep2023	Sampler ID: N/A
	Method(s): TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)	Received: 06Sep2023	Status: Active

Microbial Contaminants

	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

Brett Hudson
10Sep2023
04:20:00 PM MDT

PREPARED BY / DATE

Eden Thompson-Wright
11Sep2023
04:16:00 PM MDT

APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/a3e7d2cc-267f-41a3-aaaf-1a11411993e4

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

a3e7d2cc267f41a3aaaf1a11411993e4.1