PRODUCT NAME: Muscle Gel **PRODUCT STRENGTH:**

BATCH:

900mg/bottle 230228C

3/14/2025

BEST BY DATE:

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^* : $\geq 900mg / bottle$	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	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

3/31/2023

Date



Muscle Gel

Batch ID or Lot Number: 230228C	Test: Potency	Reported: 02Mar2023	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000237264	02Mar2023	N/A
	Method(s):	Received:	Status:
	TM14 (HPLC-DAD): Potency – Standard Cannabinoid Analysis	01Mar2023	Active

Cannabinoids	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
Cannabichromene (CBC)	0.005	0.015	0.029	0.29
Cannabichromenic Acid (CBCA)	0.004	0.014	ND	ND
Cannabidiol (CBD)	0.013	0.040	1.109	11.09
Cannabidiolic Acid (CBDA)	0.014	0.041	ND	ND
Cannabidivarin (CBDV)	0.003	0.009	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Cannabidivarinic Acid (CBDVA)	0.006	0.017	ND	ND
Cannabigerol (CBG)	0.003	0.009	ND	ND
Cannabigerolic Acid (CBGA)	0.011	0.036	ND	ND
Cannabinol (CBN)	0.004	0.011	ND	ND
Cannabinolic Acid (CBNA)	0.008	0.025	ND	ND
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.013	0.043	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.012	0.039	<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.011	0.035	ND	ND
Tetrahydrocannabivarin (THCV)	0.002	0.008	ND	ND
Tetrahydrocannabivarinic Acid (THCVA)	0.010	0.030	ND	ND
Total Cannabinoids			1.138	11.38
Total Potential THC			<loq< td=""><td><loq< td=""></loq<></td></loq<>	<loq< td=""></loq<>
Total Potential CBD			1.109	11.09

Final Approval

PREPARED BY / DATE



Sam Smith 02Mar2023 01:34:00 PM MST

L Winternheimer

Karen Winternheimer 02Mar2023 01:45:00 PM MST



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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)).

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.











Cert #4329.0

CDPHE Certified 50d86f51403e49f99f4f130a29c770a9.1





Muscle Gel

Batch ID or Lot Number: 230228C	Test: Residual Solvents	Reported: 28Mar2023	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000239437	28Mar2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	24Mar2023	Active

Final Approval



Sam Smith 28Mar2023 03:38:00 PM MDT L Winternheumer
APPROVED BY / DATE

Karen Winternheimer 28Mar2023 03:46:00 PM MDT



PREPARED BY / DATE

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Definitions

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

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.











Cert #4329.02

CDPHE Certified 80840dbf2b7746d095fe2129c1c2d20f.1



=

Muscle Gel

Batch ID or Lot Number: 230228C	Test: Pesticides	Reported: 30Mar2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000239435	29Mar2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	24Mar2023	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	374 - 2672	ND
Acephate	18 - 2844	ND
Acetamiprid	40 - 2758	ND
Azoxystrobin	45 - 2727	ND
Bifenazate	41 - 2784	ND
Boscalid	66 - 2638	ND
Carbaryl	43 - 2727	ND
Carbofuran	42 - 2705	ND
Chlorantraniliprole	42 - 2649	ND
Chlorpyrifos	55 - 2672	ND
Clofentezine	293 - 2709	ND
Diazinon	289 - 2767	ND
Dichlorvos	274 - 2725	ND
Dimethoate	40 - 2753	ND
E-Fenpyroximate	287 - 2726	ND
Etofenprox	48 - 2703	ND
Etoxazole	306 - 2700	ND
Fenoxycarb	43 - 2757	ND
Fipronil	39 - 2784	ND
Flonicamid	42 - 2787	ND
Fludioxonil	333 - 2624	ND
Hexythiazox	45 - 2742	ND
Imazalil	289 - 2748	ND
Imidacloprid	40 - 2751	ND
Kresoxim-methyl	43 - 2817	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	279 - 2740	ND
Metalaxyl	44 - 2755	ND
Methiocarb	40 - 2669	ND
Methomyl	42 - 2802	ND
MGK 264 1	175 - 1559	ND
MGK 264 2	119 - 1122	ND
Myclobutanil	47 - 2696	ND
Naled	50 - 2695	ND
Oxamyl	44 - 2792	ND
Paclobutrazol	49 - 2706	ND
Permethrin	261 - 2620	ND
Phosmet	40 - 2745	ND
Prophos	296 - 2692	ND
Propoxur	40 - 2711	ND
Pyridaben	311 - 2711	ND
Spinosad A	34 - 2208	ND
Spinosad D	54 - 492	ND
Spiromesifen	284 - 2702	ND
Spirotetramat	276 - 2790	ND
Spiroxamine 1	19 - 1142	ND
Spiroxamine 2	24 - 1509	ND
Tebuconazole	274 - 2734	ND
Thiacloprid	43 - 2751	ND
Thiamethoxam	44 - 2778	ND
Trifloxystrobin	40 - 2722	ND

Final Approval



Karen Winternheimer 30Mar2023 12:35:00 PM MDT

Samantha Smoth

Sam Smith 30Mar2023 12:51:00 PM MDT



APPROVED BY / DATE

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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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Cert #4329.02 1be6a3af1a024297b66f22debfc09895.1





Muscle Gel

Batch ID or Lot Number: 230228C	Test: Heavy Metals	Reported: 29Mar2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Unit Co	T000239436	29Mar2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	24Mar2023	NA

Dynamic Range (ppm)	Result (ppm)	Notes	
0.05 - 4.58	ND		
0.05 - 4.54	ND		
0.05 - 4.56	ND		
0.05 - 4.53	ND		
	0.05 - 4.58 0.05 - 4.54 0.05 - 4.56	0.05 - 4.58 ND 0.05 - 4.54 ND 0.05 - 4.56 ND	0.05 - 4.58 ND 0.05 - 4.54 ND 0.05 - 4.56 ND

Final Approval

Somantha Smull

Sam Smith 29Mar2023 02:24:00 PM MDT L Wintenheumer APPROVED BY / DATE

Karen Winternheimer 29Mar2023 02:26:00 PM MDT



PREPARED BY / DATE

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Definitions

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

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.











Cert #4329.02

CDPHE Certified dd55fa26732c406b98bc8b08c90ca157.1



Muscle Gel

Batch ID or Lot Number: 230228C	Test: Mycotoxins	Reported: 29Mar2023	USDA License: N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000239438	28Mar2023	N/A
	Method(s):	Received:	Status:
	TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	24Mar2023	Active

1.78 - 123.98 1.02 - 32.14 1.02 - 31.85	ND ND	N/A	
1 02 - 31 85	ND		
1.02 51.05	ND		
1.15 - 31.66	ND		
1.11 - 32.24	ND		
Total Aflatoxins (B1, B2, G1, and G2)			
2			

Final Approval

Samantha Smoll

Sam Smith 29Mar2023 06:44:00 AM MDT Winternheimer APPROVED BY / DATE

Karen Winternheimer 29Mar2023 06:47:00 AM MDT



PREPARED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/225bbcd8-fa7e-432d-a6cb-358d7df65302

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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Cert #4339.03

CDPHE Certified 225bbcd8fa7e432da6cb358d7df65302.1







Muscle Gel

Batch ID or Lot Number: 230228C	Test: Microbial Contaminants	Reported: 06Mar2023	USDA License: N/A			
Matrix:	Test ID:	Started:	Sampler ID:			
Finished Product	T000237265	01Mar2023	N/A			
	Method(s):	Received:	Status:			
	TM25 (qPCR) TM24, TM26, TM27	01Mar2023	Active			
	(Culture Plating): Microbial (Colorado					
	Panel)					

Microbial			Quantitation			
Contaminants	Method	LOD	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	— Toreign matter	
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

Eden Thompson-Wright 05Mar2023 12:44:00 PM MST

Buanne Maillot

Brianne Maillot 07Mar2023 05:28:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

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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

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.











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