

Prepared for:
NuLeaf Naturals LLC1550 Larimer St. Ste 964
Denver, CO USA 80202**Calming Soft Chews**

Batch ID or Lot Number: 345F306-0479	Test: Potency	Reported: 04Dec2023	USDA License: N/A
Matrix: Unit	Test ID: T000262839	Started: 04Dec2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 01Dec2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.076	0.257	<LOQ	<LOQ	# of Servings = 1, Sample Weight=4g
Cannabichromenic Acid (CBCA)	0.069	0.235	ND	ND	
Cannabidiol (CBD)	0.259	0.614	4.670	1.20	
Cannabidiolic Acid (CBDA)	0.265	0.630	ND	ND	
Cannabidivarin (CBDV)	0.061	0.145	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.111	0.263	ND	ND	
Cannabigerol (CBG)	0.043	0.146	0.290	0.10	
Cannabigerolic Acid (CBGA)	0.180	0.611	ND	ND	
Cannabinol (CBN)	0.056	0.191	2.320	0.60	
Cannabinolic Acid (CBNA)	0.123	0.417	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.215	0.728	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.195	0.661	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.173	0.585	ND	ND	
Tetrahydrocannabivarin (THCV)	0.039	0.133	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.152	0.516	ND	ND	
Total Cannabinoids			7.280	1.90	
Total Potential THC			ND	ND	
Total Potential CBD			4.670	1.20	

Final ApprovalSam Smith
04Dec2023
12:33:00 PM MSTKaren Winternheimer
04Dec2023
12:36:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/2323a7a0-de70-4793-a933-706139b1e7a5>**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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert. #4329.02

2323a7a0de704793a933706139b1e7a5.1

Prepared for:

NuLeaf Naturals LLC

1550 Larimer St. Ste 964

Denver, CO USA 80202

Calming Soft Chews

Batch ID or Lot Number: 345F306-0479	Test: Heavy Metals	Reported: 20Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000265041	Started: 19Dec2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 18Dec2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.06	ND	
Cadmium	0.04 - 4.19	ND	
Mercury	0.04 - 4.23	ND	
Lead	0.04 - 4.16	ND	

Final Approval



Sam Smith
20Dec2023
09:15:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
20Dec2023
10:52:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fcef7e96-19a2-459c-bb97-5e5c5f0c68d9>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

fcef7e9619a2459cbb975e5c5f0c68d9.1

Prepared for:
NuLeaf Naturals LLC

1550 Larimer St. Ste 964
Denver, CO USA 80202

Calming Soft Chews

Batch ID or Lot Number: 345F306-0479	Test: Pesticides	Reported: 24Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000265039	Started: 22Dec2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 18Dec2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	365 - 2850	ND
Acephate	42 - 2697	ND
Acetamiprid	41 - 2724	ND
Azoxystrobin	41 - 2696	ND
Bifenazate	42 - 2662	ND
Boscalid	37 - 2605	ND
Carbaryl	42 - 2643	ND
Carbofuran	42 - 2668	ND
Chlorantraniliprole	47 - 2712	ND
Chlorpyrifos	22 - 2824	ND
Clofentezine	286 - 2739	ND
Diazinon	274 - 2706	ND
Dichlorvos	206 - 2817	ND
Dimethoate	42 - 2753	ND
E-Fenpyroximate	252 - 2816	ND
Etofenprox	45 - 2800	ND
Etoxazole	296 - 2715	ND
Fenoxycarb	47 - 2694	ND
Fipronil	40 - 2846	ND
Flonicamid	50 - 2811	ND
Fludioxonil	293 - 2731	ND
Hexythiazox	40 - 2850	ND
Imazalil	287 - 2684	ND
Imidacloprid	40 - 2717	ND
Kresoxim-methyl	38 - 2748	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	296 - 2720	ND
Metalaxyl	39 - 2698	ND
Methiocarb	42 - 2709	ND
Methomyl	40 - 2754	ND
MGK 264 1	170 - 1649	ND
MGK 264 2	115 - 1109	ND
Myclobutanil	72 - 2717	ND
Naled	44 - 2578	ND
Oxamyl	40 - 2742	ND
Paclobutrazol	40 - 2620	ND
Permethrin	266 - 2818	ND
Phosmet	42 - 2573	ND
Prophos	279 - 2726	ND
Propoxur	41 - 2627	ND
Pyridaben	298 - 2816	ND
Spinosad A	33 - 2034	ND
Spinosad D	67 - 684	ND
Spiromesifen	274 - 2821	ND
Spirotetramat	270 - 2754	ND
Spiroxamine 1	15 - 1002	ND
Spiroxamine 2	25 - 1561	ND
Tebuconazole	268 - 2629	ND
Thiacloprid	42 - 2734	ND
Thiamethoxam	43 - 2762	ND
Trifloxystrobin	42 - 2672	ND

Final Approval



Karen Winternheimer
24Dec2023
11:01:00 AM MST

PREPARED BY / DATE



Sam Smith
24Dec2023
11:04:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2a7a8173-dbba-4441-a0fd-da485d2990c8>

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

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

2a7a8173dbba4441a0fdda485d2990c8.1

Prepared for:
NuLeaf Naturals LLC

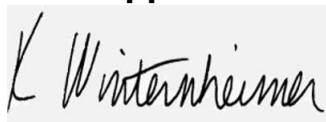
1550 Larimer St. Ste 964
Denver, CO USA 80202

Calming Soft Chews

Batch ID or Lot Number: 345F306-0479	Test: Residual Solvents	Reported: 20Dec2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000265042	Started: 19Dec2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 18Dec2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1689	ND	
Butanes (Isobutane, n-Butane)	163 - 3268	ND	
Methanol	57 - 1148	ND	
Pentane	88 - 1761	ND	
Ethanol	94 - 1883	ND	
Acetone	92 - 1843	ND	
Isopropyl Alcohol	101 - 2022	ND	
Hexane	6 - 111	ND	
Ethyl Acetate	92 - 1846	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	90 - 1801	ND	
Toluene	17 - 336	ND	
Xylenes (m,p,o-Xylenes)	125 - 2490	ND	

Final Approval



Karen Winternheimer
20Dec2023
10:15:00 AM MST

PREPARED BY / DATE



Sam Smith
20Dec2023
10:38:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/decd366f-c14e-454a-a4c0-1d5e822d3817>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02
decd366f-c14e-454a-a4c0-1d5e822d3817.1

Prepared for:

NuLeaf Naturals LLC

1550 Larimer St. Ste 964

Denver, CO USA 80202

Calming Soft Chews

Batch ID or Lot Number: 345F306-0479	Test: Mycotoxins	Reported: 22Dec2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000265043	Started: 21Dec2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 18Dec2023	Status: Active

Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.96 - 139.48	ND	N/A
Aflatoxin B1	1.05 - 34.61	ND	
Aflatoxin B2	1.59 - 34.81	ND	
Aflatoxin G1	1.05 - 34.95	ND	
Aflatoxin G2	1.18 - 35.32	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Sam Smith
22Dec2023
08:04:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
22Dec2023
08:07:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/62be1247-2d16-41c9-ac38-e46243f78778>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

62be12472d1641c9ac38e46243f78778.1

Prepared for:
NuLeaf Naturals LLC

1550 Larimer St. Ste 964
Denver, CO USA 80202

Calming Soft Chews

Batch ID or Lot Number: 345F306-0479	Test: Microbial Contaminants	Reported: 22Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000265040	Started: 19Dec2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 18Dec2023	Status: NA

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
<i>Salmonella</i>	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	6.8x10 ³ CFU/g	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Eden Thompson-Wright
22Dec2023
10:39:00 AM MST

PREPARED BY / DATE



Brianne Maillot
22Dec2023
02:41:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a006a516-bf62-46c2-8e45-51dfee43d224>

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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

a006a516bf6246c28e4551dfee43d224.1