

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals CBC Oil Tincture Formulation

Batch ID or Lot Number: C348	Test: Potency	Reported: 08Dec2023	USDA License: N/A
Matrix: Solution	Test ID: T000264033	Started: 06Dec2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 05Dec2023	Status: N/A

Cannabinoids

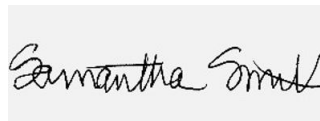
	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.518	1.764	64.840	70.50	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.473	1.613	ND	ND	
Cannabidiol (CBD)	1.518	4.551	<LOQ	<LOQ	
Cannabidiolic Acid (CBDA)	1.557	4.668	ND	ND	
Cannabidivarin (CBDV)	0.359	1.076	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.650	1.947	ND	ND	
Cannabigerol (CBG)	0.294	1.001	2.020	2.20	
Cannabigerolic Acid (CBGA)	1.228	4.186	ND	ND	
Cannabinol (CBN)	0.383	1.306	2.060	2.20	
Cannabinolic Acid (CBNA)	0.838	2.856	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.463	4.987	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.329	4.529	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.178	4.013	ND	ND	
Tetrahydrocannabivarin (THCV)	0.267	0.911	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.039	3.539	ND	ND	
Total Cannabinoids			68.920	74.90	
Total Potential THC			ND	ND	
Total Potential CBD			0.000	0.00	

Final Approval



Karen Winternheimer
08Dec2023
03:02:00 PM MST

PREPARED BY / DATE



Sam Smith
08Dec2023
03:03:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/551898c5-1a67-4168-867b-ba495f9533b0>

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
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Prepared for:

NULEAF NATURALS


1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals CBC Oil Tincture Formulation

Batch ID or Lot Number: C348	Test: Heavy Metals	Reported: 06Dec2023	USDA License: NA
Matrix: Concentrate	Test ID: T000264036	Started: 06Dec2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 05Dec2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.61	ND	
Cadmium	0.05 - 4.52	ND	
Mercury	0.05 - 4.50	ND	
Lead	0.05 - 4.79	ND	

Final Approval



Sam Smith
06Dec2023
02:47:00 PM MST

PREPARED BY / DATE



Karen Winternheimer
06Dec2023
02:52:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e73191e5-e6fa-4e08-b8b7-a58317c9b3e7>

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:

NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals CBC Oil Tincture Formulation

Batch ID or Lot Number: C348	Test: Microbial Contaminants	Reported: 08Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000264035	Started: 05Dec2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 05Dec2023	Status: NA

Microbial

Contaminants

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	None Detected	
Total Coliforms*	TM27: Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴	None Detected	

Final Approval



Brianne Maillot
08Dec2023
09:45:00 AM MST

PREPARED BY / DATE



Eden Thompson-Wright
08Dec2023
10:31:00 AM MST

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

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Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals CBC Oil Tincture Formulation

Batch ID or Lot Number: C348	Test: Pesticides	Reported: 08Dec2023	USDA License: NA
Matrix: Concentrate	Test ID: T000264034	Started: 07Dec2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 05Dec2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	329 - 2679	ND	Malathion	279 - 2664	ND
Acephate	48 - 2797	ND	Metalaxyl	47 - 2702	ND
Acetamiprid	45 - 2749	ND	Methiocarb	49 - 2697	ND
Azoxystrobin	44 - 2707	ND	Methomyl	45 - 2816	ND
Bifenazate	47 - 2673	ND	MGK 264 1	160 - 1609	ND
Boscalid	47 - 2696	ND	MGK 264 2	106 - 1064	ND
Carbaryl	44 - 2731	ND	Myclobutanil	18 - 2637	ND
Carbofuran	43 - 2710	ND	Naled	41 - 2708	ND
Chlorantraniliprole	48 - 2723	ND	Oxamyl	47 - 2800	ND
Chlorpyrifos	21 - 2701	ND	Pacllobutrazol	43 - 2733	ND
Clofentezine	256 - 2706	ND	Permethrin	293 - 2660	ND
Diazinon	272 - 2700	ND	Phosmet	41 - 2545	ND
Dichlorvos	288 - 2784	ND	Prophos	304 - 2654	ND
Dimethoate	46 - 2763	ND	Propoxur	42 - 2715	ND
E-Fenpyroximate	290 - 2716	ND	Pyridaben	282 - 2693	ND
Etofenprox	41 - 2674	ND	Spinosad A	29 - 2107	ND
Etoxazole	292 - 2599	ND	Spinosad D	61 - 656	ND
Fenoxycarb	21 - 2706	ND	Spiromesifen	268 - 2623	ND
Fipronil	48 - 2760	ND	Spirotetramat	283 - 2740	ND
Flonicamid	49 - 2803	ND	Spiroxamine 1	16 - 1001	ND
Fludioxonil	316 - 2666	ND	Spiroxamine 2	28 - 1579	ND
Hexythiazox	46 - 2661	ND	Tebuconazole	293 - 2678	ND
Imazalil	265 - 2718	ND	Thiacloprid	46 - 2782	ND
Imidacloprid	48 - 2888	ND	Thiamethoxam	45 - 2802	ND
Kresoxim-methyl	46 - 2702	ND	Trifloxystrobin	42 - 2738	ND

Final Approval



Karen Winternheimer
08Dec2023
10:17:00 AM MST

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Sam Smith
08Dec2023
10:24:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/51088bf5-e32d-4f98-9b4b-05a8cb283edb>

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:

NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals CBC Oil Tincture Formulation

Batch ID or Lot Number: C348	Test: Residual Solvents	Reported: 08Dec2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000264037	Started: 08Dec2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 05Dec2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	109 - 2184	ND	
Butanes (Isobutane, n-Butane)	206 - 4123	ND	
Methanol	61 - 1230	ND	
Pentane	105 - 2092	ND	
Ethanol	99 - 1975	ND	
Acetone	100 - 1995	ND	
Isopropyl Alcohol	100 - 2009	ND	
Hexane	6 - 127	ND	
Ethyl Acetate	101 - 2021	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	102 - 2037	ND	
Toluene	17 - 347	ND	
Xylenes (m,p,o-Xylenes)	121 - 2418	ND	

Final Approval



Karen Winternheimer
08Dec2023
01:56:00 PM MST

PREPARED BY / DATE



Sam Smith
08Dec2023
02:04:00 PM MST

APPROVED BY / DATE



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Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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