

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964 DENVER, CO USA 80202

NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number:	Test:	Reported:	USDA License:	
C348S	Potency	05Dec2023	N/A	
Matrix:	Test ID:	Started:	Sampler ID:	
Solution	T000263786	05Dec2023	N/A	
	Method(s): TM14 (HPLC-DAD)	Received: 04Dec2023	Status: N/A	

		Result		
LOD (mg/mL)	LOQ (mg/mL)	(mg/mL)	Result (mg/g)	Notes
0.196	0.650	26.770	29.10	Density = 0.92g/mL
0.179	0.595	ND	ND	
0.649	1.633	2.260	2.50	
0.665	1.675	ND	ND	
0.153	0.386	ND	ND	
0.278	0.699	ND	ND	
0.111	0.369	2.030	2.20	
0.464	1.543	ND	ND	
0.145	0.481	2.100	2.30	
0.317	1.053	ND	ND	
0.553	1.838	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
0.502	1.669	<loq< td=""><td><loq< td=""><td></td></loq<></td></loq<>	<loq< td=""><td></td></loq<>	
0.445	1.479	ND	ND	
0.101	0.336	ND	ND	
0.393	1.305	ND	ND	
		33.160	36.10	
		0.000	0.00	
		2.260	2.50	
	0.196 0.179 0.649 0.665 0.153 0.278 0.111 0.464 0.145 0.317 0.553 0.502 0.445 0.101	0.196 0.650 0.179 0.595 0.649 1.633 0.665 1.675 0.153 0.386 0.278 0.699 0.111 0.369 0.464 1.543 0.145 0.481 0.317 1.053 0.553 1.838 0.502 1.669 0.445 1.479 0.101 0.336	LOD (mg/mL) LOQ (mg/mL) (mg/mL) 0.196 0.650 26.770 0.179 0.595 ND 0.649 1.633 2.260 0.665 1.675 ND 0.153 0.386 ND 0.278 0.699 ND 0.111 0.369 2.030 0.464 1.543 ND 0.145 0.481 2.100 0.317 1.053 ND 0.553 1.838 <loq< td=""> 0.502 1.669 <loq< td=""> 0.445 1.479 ND 0.101 0.336 ND 0.393 1.305 ND 33.160 0.000</loq<></loq<>	LOD (mg/mL) LOQ (mg/mL) (mg/mL) Result (mg/g) 0.196 0.650 26.770 29.10 0.179 0.595 ND ND 0.649 1.633 2.260 2.50 0.665 1.675 ND ND 0.153 0.386 ND ND 0.278 0.699 ND ND 0.111 0.369 2.030 2.20 0.464 1.543 ND ND 0.145 0.481 2.100 2.30 0.317 1.053 ND ND 0.553 1.838 <loq< td=""> <loq< td=""> 0.502 1.669 <loq< td=""> <loq< td=""> 0.445 1.479 ND ND 0.393 1.305 ND ND 0.393 1.305 ND ND 33.160 36.10 0.000 0.000 0.000</loq<></loq<></loq<></loq<>

Final Approval

L Wintenheumen
PREPARED BY / DATE

Karen Winternheimer 05Dec2023 12:35:00 PM MST

Garrantha Smil

Sam Smith 05Dec2023 12:38:00 PM MST



APPROVED BY / DATE

https://results.botanacor.com/api/v1/coas/uuid/27d011c7-ad51-4506-b3fa-9d0919368abf

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.





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NULEAF NATURALS

1550 LARIMER ST. #964 DENVER, CO USA 80202

NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number:	Test:	Reported:	USDA License:
C348S	Heavy Metals	06Dec2023	NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263789	06Dec2023	NA
	Method(s):	Received:	Status:
	TM19 (ICP-MS): Heavy Metals	04Dec2023	NA

Dynamic Range (ppm)	Result (ppm)	Notes	
0.05 - 4.61	ND		
0.05 - 4.52	ND		
0.05 - 4.50	ND		
0.05 - 4.79	ND		
	0.05 - 4.61 0.05 - 4.52 0.05 - 4.50	0.05 - 4.61 ND 0.05 - 4.52 ND 0.05 - 4.50 ND	0.05 - 4.61 ND 0.05 - 4.52 ND 0.05 - 4.50 ND

Final Approval

PREPARED BY / DATE

Sam Smith 06Dec2023 02:47:00 PM MST

APPROVED BY / DATE

Karen Winternheimer 06Dec2023 02:52:00 PM MST



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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

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Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964 DENVER, CO USA 80202

NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number: C348S	Test: Microbial Contaminants	Reported: 08Dec2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Finished Product	T000263788	05Dec2023	NA
	Method(s):	Received:	Status:
	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	04Dec2023	NA

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

Brianne Maillot

Brianne Maillot 08Dec2023 09:45:00 AM MST

APPROVED BY / DATE

Eden Thompson

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



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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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NULEAF NATURALS

1550 LARIMER ST. #964 DENVER, CO USA 80202

NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number: C348S	Test: Pesticides	Reported: 08Dec2023	USDA License: NA
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263787	07Dec2023	NA
	Method(s):	Received:	Status:
	TM17 (LC-QQ LC MS/MS)	04Dec2023	NA

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	329 - 2679	ND
Acephate	48 - 2797	ND
Acetamiprid	45 - 2749	ND
Azoxystrobin	44 - 2707	ND
Bifenazate	47 - 2673	ND
Boscalid	47 - 2696	ND
Carbaryl	44 - 2731	ND
Carbofuran	43 - 2710	ND
Chlorantraniliprole	48 - 2723	ND
Chlorpyrifos	21 - 2701	ND
Clofentezine	256 - 2706	ND
Diazinon	272 - 2700	ND
Dichlorvos	288 - 2784	ND
Dimethoate	46 - 2763	ND
E-Fenpyroximate	290 - 2716	ND
Etofenprox	41 - 2674	ND
Etoxazole	292 - 2599	ND
Fenoxycarb	21 - 2706	ND
Fipronil	48 - 2760	ND
Flonicamid	49 - 2803	ND
Fludioxonil	316 - 2666	ND
Hexythiazox	46 - 2661	ND
Imazalil	265 - 2718	ND
Imidacloprid	48 - 2888	ND
Kresoxim-methyl	46 - 2702	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	279 - 2664	ND
Metalaxyl	47 - 2702	ND
Methiocarb	49 - 2697	ND
Methomyl	45 - 2816	ND
MGK 264 1	160 - 1609	ND
MGK 264 2	106 - 1064	ND
Myclobutanil	18 - 2637	ND
Naled	41 - 2708	ND
Oxamyl	47 - 2800	ND
Paclobutrazol	43 - 2733	ND
Permethrin	293 - 2660	ND
Phosmet	41 - 2545	ND
Prophos	304 - 2654	ND
Propoxur	42 - 2715	ND
Pyridaben	282 - 2693	ND
Spinosad A	29 - 2107	ND
Spinosad D	61 - 656	ND
Spiromesifen	268 - 2623	ND
Spirotetramat	283 - 2740	ND
Spiroxamine 1	16 - 1001	ND
Spiroxamine 2	28 - 1579	ND
Tebuconazole	293 - 2678	ND
Thiacloprid	46 - 2782	ND
Thiamethoxam	45 - 2802	ND
Trifloxystrobin	42 - 2738	ND

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L Wintenheumen
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Karen Winternheimer 08Dec2023 10:17:00 AM MST

Somantha Smill

Sam Smith 08Dec2023 10:24:00 AM MST



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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NULEAF NATURALS

1550 LARIMER ST. #964 DENVER, CO USA 80202

NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number:	Test:	Reported:	USDA License:
C348S	Residual Solvents	06Dec2023	N/A
Matrix:	Test ID:	Started:	Sampler ID:
Concentrate	T000263790	05Dec2023	N/A
	Method(s):	Received:	Status:
	TM04 (GC-MS): Residual Solvents	04Dec2023	Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1681	ND	
Butanes (Isobutane, n-Butane)	164 - 3285	ND	
Methanol	56 - 1120	ND	
Pentane	89 - 1784	ND	
Ethanol	93 - 1862	ND	
Acetone	95 - 1898	ND	
Isopropyl Alcohol	105 - 2108	ND	
Hexane	6 - 114	ND	
Ethyl Acetate	97 - 1938	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	92 - 1849	ND	
Toluene	18 - 353	ND	
Xylenes (m,p,o-Xylenes)	130 - 2593	ND	

Final Approval

Wintersheimer PREPARED BY / DATE Karen Winternheimer 06Dec2023 12:42:00 PM MST

Samantha Smill

Sam Smith 06Dec2023 12:44:00 PM MST



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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

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