

Prepared for:  
**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number: <b>C320S</b>	Test: <b>Potency</b>	Reported: <b>19May2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000244309	Started: 18May2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 17May2023	Status: N/A

### Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.656	2.127	28.750	31.30	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.600	1.945	ND	ND	
Cannabidiol (CBD)	1.818	5.414	<LOQ	<LOQ	
Cannabidiolic Acid (CBDA)	1.864	5.553	ND	ND	
Cannabidivarin (CBDV)	0.430	1.281	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.778	2.316	ND	ND	
Cannabigerol (CBG)	0.373	1.207	1.930	2.10	
Cannabigerolic Acid (CBGA)	1.558	5.047	ND	ND	
Cannabinol (CBN)	0.486	1.575	2.070	2.30	
Cannabinolic Acid (CBNA)	1.063	3.444	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	1.856	6.013	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	1.686	5.461	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	1.493	4.839	ND	ND	
Tetrahydrocannabivarin (THCV)	0.339	1.098	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	1.317	4.268	ND	ND	
<b>Total Cannabinoids</b>			<b>32.750</b>	<b>35.70</b>	
Total Potential THC			0.000	0.00	
Total Potential CBD			0.000	0.00	

### Final Approval



Karen Winternheimer  
19May2023  
12:08:00 PM MDT

PREPARED BY / DATE



Sam Smith  
19May2023  
12:10:00 PM MDT

APPROVED BY / DATE



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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.



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DENVER, CO USA 80202

## NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number: <b>C320S</b>	Test: <b>Heavy Metals</b>	Reported: <b>22May2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000244312	Started: 19May2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 17May2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.53	ND	
Cadmium	0.04 - 4.47	ND	
Mercury	0.05 - 4.60	ND	
Lead	0.04 - 4.50	ND	

## Final Approval



Sam Smith  
22May2023  
07:47:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
22May2023  
07:49:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/08a01d02-b61c-45cb-b68a-85762380725d>

### 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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1550 LARIMER ST. #964  
DENVER, CO USA 80202

## NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number: <b>C320S</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>22May2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000244311	Started: 17May2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 17May2023	Status: NA

## Microbial Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

## Final Approval



Brett Hudson  
20May2023  
11:13:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright  
22May2023  
10:55:00 AM MDT

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: 10<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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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DENVER, CO USA 80202

## NuLeaf Naturals CBC Softgel Formulation

Batch ID or Lot Number: <b>C320S</b>	Test: <b>Pesticides</b>	Reported: <b>25May2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000244310	Started: 23May2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 17May2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	272 - 2715	ND	Malathion	288 - 2719	ND
Acephate	44 - 2775	ND	Metalaxyl	39 - 2714	ND
Acetamiprid	44 - 2747	ND	Methiocarb	46 - 2692	ND
Azoxystrobin	45 - 2714	ND	Methomyl	45 - 2768	ND
Bifenazate	39 - 2690	ND	MGK 264 1	167 - 1674	ND
Boscalid	31 - 2648	ND	MGK 264 2	101 - 1063	ND
Carbaryl	43 - 2748	ND	Myclobutanil	47 - 2722	ND
Carbofuran	41 - 2718	ND	Naled	52 - 2771	ND
Chlorantraniliprole	44 - 2660	ND	Oxamyl	46 - 2772	ND
Chlorpyrifos	40 - 2733	ND	Pacllobutrazol	44 - 2722	ND
Clofentezine	291 - 2714	ND	Permethrin	260 - 2692	ND
Diazinon	281 - 2707	ND	Phosmet	42 - 2726	ND
Dichlorvos	272 - 2769	ND	Prophos	304 - 2666	ND
Dimethoate	43 - 2729	ND	Propoxur	43 - 2740	ND
E-Fenpyroximate	270 - 2726	ND	Pyridaben	294 - 2663	ND
Etofenprox	41 - 2666	ND	Spinosad A	33 - 2083	ND
Etoxazole	292 - 2672	ND	Spinosad D	64 - 658	ND
Fenoxycarb	14 - 2725	ND	Spiromesifen	258 - 2708	ND
Fipronil	28 - 2650	ND	Spirotetramat	265 - 2777	ND
Flonicamid	54 - 2811	ND	Spiroxamine 1	20 - 1162	ND
Fludioxonil	278 - 2651	ND	Spiroxamine 2	25 - 1480	ND
Hexythiazox	43 - 2705	ND	Tebuconazole	286 - 2782	ND
Imazalil	276 - 2741	ND	Thiacloprid	42 - 2728	ND
Imidacloprid	50 - 2785	ND	Thiamethoxam	46 - 2775	ND
Kresoxim-methyl	45 - 2723	ND	Trifloxystrobin	42 - 2708	ND

## Final Approval



Alex Benson  
25May2023  
12:41:00 PM MDT

PREPARED BY / DATE



Phillip Travisano  
25May2023  
02:50:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/721c64af-816c-4525-bc14-5fb0d6c44f86>

### 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 CBC Softgel Formulation

Batch ID or Lot Number: <b>C320S</b>	Test: <b>Residual Solvents</b>	Reported: <b>19May2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000244313	Started: 18May2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 17May2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	106 - 2126	ND	
Butanes (Isobutane, n-Butane)	218 - 4359	ND	
Methanol	65 - 1295	ND	
Pentane	109 - 2173	ND	
Ethanol	104 - 2084	ND	
Acetone	106 - 2115	ND	
Isopropyl Alcohol	105 - 2110	ND	
Hexane	6 - 130	ND	
Ethyl Acetate	104 - 2078	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	105 - 2108	ND	
Toluene	18 - 368	ND	
Xylenes (m,p,o-Xylenes)	128 - 2559	ND	

## Final Approval



Sam Smith  
19May2023  
11:55:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
19May2023  
11:57:00 AM MDT

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### Definitions

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