

Prepared for:  
**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## NuLeaf Naturals CBN Softgel Formulation

Batch ID or Lot Number: <b>N323S</b>	Test: <b>Potency</b>	Reported: <b>09Jun2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000245925	Started: 07Jun2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 07Jun2023	Status: N/A

### Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.294	0.859	1.690	1.80	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.269	0.786	ND	ND	
Cannabidiol (CBD)	0.739	2.214	<LOQ	<LOQ	
Cannabidiolic Acid (CBDA)	0.758	2.271	ND	ND	
Cannabidivarin (CBDV)	0.175	0.524	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.316	0.947	ND	ND	
Cannabigerol (CBG)	0.167	0.488	2.020	2.20	
Cannabigerolic Acid (CBGA)	0.698	2.039	ND	ND	
Cannabinol (CBN)	0.218	0.636	29.950	32.60	
Cannabinolic Acid (CBNA)	0.476	1.391	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.831	2.429	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.755	2.206	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.669	1.955	ND	ND	
Tetrahydrocannabivarin (THCV)	0.152	0.444	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.590	1.724	ND	ND	
<b>Total Cannabinoids</b>			<b>33.660</b>	<b>36.60</b>	
Total Potential THC			0.000	0.00	
Total Potential CBD			0.000	0.00	

### Final Approval



Karen Winternheimer  
09Jun2023  
11:36:00 AM MDT

PREPARED BY / DATE



Sam Smith  
09Jun2023  
11:40:00 AM 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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1550 LARIMER ST. #964  
DENVER, CO USA 80202

## NuLeaf Naturals CBN Softgel Formulation

Batch ID or Lot Number: <b>N323S</b>	Test: <b>Heavy Metals</b>	Reported: <b>14Jun2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000245928	Started: 12Jun2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 07Jun2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.40	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.05 - 4.70	ND	
Lead	0.05 - 4.91	ND	

## Final Approval



Sam Smith  
14Jun2023  
09:46:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer  
14Jun2023  
09:48:00 AM 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

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Prepared for:

## NULEAF NATURALS

1550 LARIMER ST. #964  
DENVER, CO USA 80202

### NuLeaf Naturals CBN Softgel Formulation

Batch ID or Lot Number: <b>N323S</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>12Jun2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000245927	Started: 26May2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 07Jun2023	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  
12Jun2023  
03:06:00 PM MDT

PREPARED BY / DATE



Brianne Maillot  
12Jun2023  
04:58:00 PM 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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## NuLeaf Naturals CBN Softgel Formulation

Batch ID or Lot Number: <b>N323S</b>	Test: <b>Pesticides</b>	Reported: <b>09Jun2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000245926	Started: 08Jun2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 07Jun2023	Status: NA

### Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	331 - 2619	ND	Malathion	280 - 2712	ND
Acephate	40 - 2714	ND	Metalaxyl	42 - 2714	ND
Acetamiprid	40 - 2702	ND	Methiocarb	42 - 2645	ND
Azoxystrobin	46 - 2711	ND	Methomyl	41 - 2736	ND
Bifenazate	42 - 2692	ND	MGK 264 1	174 - 1684	ND
Boscalid	41 - 2623	ND	MGK 264 2	107 - 1086	ND
Carbaryl	39 - 2708	ND	Myclobutanil	47 - 2661	ND
Carbofuran	42 - 2712	ND	Naled	40 - 2731	ND
Chlorantraniliprole	42 - 2644	ND	Oxamyl	41 - 2722	ND
Chlorpyrifos	44 - 2683	ND	Pacllobutrazol	41 - 2712	ND
Clofentezine	279 - 2741	ND	Permethrin	308 - 2721	ND
Diazinon	282 - 2710	ND	Phosmet	47 - 2707	ND
Dichlorvos	268 - 2731	ND	Prophos	294 - 2641	ND
Dimethoate	42 - 2690	ND	Propoxur	42 - 2703	ND
E-Fenpyroximate	281 - 2706	ND	Pyridaben	288 - 2659	ND
Etofenprox	42 - 2618	ND	Spinosad A	30 - 2082	ND
Etoxazole	291 - 2665	ND	Spinosad D	62 - 654	ND
Fenoxycarb	31 - 2764	ND	Spiromesifen	252 - 2670	ND
Fipronil	45 - 2634	ND	Spirotetramat	270 - 2756	ND
Flonicamid	55 - 2716	ND	Spiroxamine 1	18 - 1158	ND
Fludioxonil	273 - 2638	ND	Spiroxamine 2	22 - 1479	ND
Hexythiazox	35 - 2731	ND	Tebuconazole	265 - 2723	ND
Imazalil	280 - 2760	ND	Thiacloprid	42 - 2694	ND
Imidacloprid	36 - 2711	ND	Thiamethoxam	41 - 2745	ND
Kresoxim-methyl	46 - 2763	ND	Trifloxystrobin	44 - 2702	ND

### Final Approval

  
Samantha Smith  
09Jun2023  
01:23:00 PM MDT

PREPARED BY / DATE

  
Karen Winternheimer  
09Jun2023  
01:29:00 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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## NuLeaf Naturals CBN Softgel Formulation

Batch ID or Lot Number: <b>N323S</b>	Test: <b>Residual Solvents</b>	Reported: <b>09Jun2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000245929	Started: 08Jun2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 07Jun2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1944	ND	
Butanes (Isobutane, n-Butane)	177 - 3546	ND	
Methanol	52 - 1039	ND	
Pentane	79 - 1583	ND	
Ethanol	90 - 1802	ND	
Acetone	84 - 1672	ND	
Isopropyl Alcohol	91 - 1827	ND	
Hexane	5 - 96	ND	
Ethyl Acetate	84 - 1685	ND	
Benzene	0.2 - 3.5	ND	
Heptanes	86 - 1725	ND	
Toluene	16 - 310	ND	
Xylenes (m,p,o-Xylenes)	119 - 2380	ND	

## Final Approval

  
 Sam Smith  
 09Jun2023  
 08:26:00 AM MDT  
 PREPARED BY / DATE

  
 Karen Winternheimer  
 09Jun2023  
 08:30:00 AM 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

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