

Prepared for:  
**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## NuLeaf Naturals D9 Chill Formulation

Batch ID or Lot Number: <b>9C531H333</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: <b>28Aug2025</b>	Started: 27Aug2025	Received: 27Aug2025	


### Residual Solvents

Test ID: T000310989


Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1612	ND	
Butanes (Isobutane, n-Butane)	156 - 3129	ND	
Methanol	62 - 1247	ND	
Pentane	83 - 1652	ND	
Ethanol	87 - 1749	ND	
Acetone	97 - 1949	ND	
Isopropyl Alcohol	102 - 2031	ND	
Hexane	6 - 118	ND	
Ethyl Acetate	100 - 2005	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	91 - 1828	ND	
Toluene	18 - 356	ND	
Xylenes (m,p,o-Xylenes)	126 - 2522	ND	

### Final Approval

  
Judith Marquez  
28Aug2025  
03:07:00 PM MDT

PREPARED BY / DATE

  
Sam Smith  
28Aug2025  
03:08:00 PM MDT

APPROVED BY / DATE


### Heavy Metals - Colorado Compliance

Test ID: T000310988

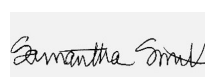
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.04 - 4.44	ND	
Mercury	0.04 - 4.43	ND	
Lead	0.04 - 4.41	ND	

### Final Approval

  
Judith Marquez  
29Aug2025  
06:01:00 PM MDT

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Sam Smith  
29Aug2025  
06:03:00 PM MDT

APPROVED BY / DATE

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## Mycotoxins - Colorado Compliance

Test ID: T000310990  
Methods: TM18 (UHPLC-QQQ)  
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.32 - 131.20	ND	N/A
Aflatoxin B1	1.04 - 33.93	ND	
Aflatoxin B2	1.08 - 33.80	ND	
Aflatoxin G1	1.21 - 34.10	ND	
Aflatoxin G2	1.99 - 33.51	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

### Final Approval

  
Judith Marquez  
02Sep2025  
10:22:00 AM MDT  
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Sam Smith  
02Sep2025  
10:29:00 AM MDT  
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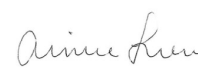
## Microbial Contaminants - Colorado Compliance

Test ID: T000310987  
Methods: TM25 (qPCR) TM24, TM26, TM27 (Culture Plating): Microbial (Colorado Panel)

	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
Salmonella	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>	<LLOQ	
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

  
Theresa Goergen  
31Aug2025  
02:56:00 PM MDT  
PREPARED BY / DATE

  
Aimee Lowe  
02Sep2025  
10:39:00 AM MDT  
APPROVED BY / DATE

Prepared for:

## NULEAF NATURALS

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DENVER, CO USA 80202

### NuLeaf Naturals D9 Chill Formulation

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### Cannabinoids

Test ID: T000310985

Methods: TM14 (HPLC-DAD): Potency - Full Spectrum


Analysis, 0.3% THC

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.053	0.225	1.377	1.50	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.048	0.206	ND	ND	
Cannabidiol (CBD)	0.207	0.527	45.254	49.19	
Cannabidiolic Acid (CBDA)	0.212	0.540	<LOQ	<LOQ	
Cannabidivarin (CBDV)	0.049	0.125	0.418	0.45	
Cannabidivarinic Acid (CBDVA)	0.089	0.225	ND	ND	
Cannabigerol (CBG)	0.030	0.128	1.379	1.50	
Cannabigerolic Acid (CBGA)	0.125	0.533	ND	ND	
Cannabinol (CBN)	0.039	0.166	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.085	0.364	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.149	0.635	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.135	0.577	2.705	2.94	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.120	0.511	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.116	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	0.106	0.451	ND	ND	
<b>Total Cannabinoids</b>			<b>51.133</b>	<b>55.58</b>	
Total Potential THC			2.705	2.94	
Total Potential CBD			45.254	49.19	

### Final Approval

  
Judith Marquez  
02Sep2025  
04:09:00 PM MDT

PREPARED BY / DATE

  
Sam Smith  
02Sep2025  
04:12:00 PM MDT

APPROVED BY / DATE

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### Pesticides


Test ID: T000310986

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	386 - 2641	ND		Malathion	284 - 2702	ND
Acephate	40 - 2786	ND		Metalaxyl	46 - 2686	ND
Acetamiprid	42 - 2740	ND		Methiocarb	41 - 2700	ND
Azoxystrobin	46 - 2702	ND		Methomyl	43 - 2818	ND
Bifenazate	43 - 2661	ND		MGK 264 1	144 - 1653	ND
Boscalid	43 - 2752	ND		MGK 264 2	118 - 1050	ND
Carbaryl	42 - 2742	ND		Myclobutanil	46 - 2719	ND
Carbofuran	45 - 2739	ND		Naled	46 - 2741	ND
Chlorantraniliprole	50 - 2737	ND		Oxamyl	43 - 2776	ND
Chlorpyrifos	51 - 2739	ND		Paclobutrazol	49 - 2719	ND
Clofentezine	296 - 2770	ND		Permethrin	299 - 2736	ND
Diazinon	287 - 2699	ND		Phosmet	47 - 2693	ND
Dichlorvos	272 - 2773	ND		Prophos	275 - 2733	ND
Dimethoate	42 - 2740	ND		Propoxur	46 - 2745	ND
E-Fenpyroximate	276 - 2742	ND		Pyridaben	284 - 2721	ND
Etofenprox	44 - 2720	ND		Spinosad A	32 - 2042	ND
Etoxazole	292 - 2720	ND		Spinosad D	74 - 716	ND
Fenoxycarb	5 - 2728	ND		Spiromesifen	285 - 2737	ND
Fipronil	57 - 2703	ND		Spirotetramat	273 - 2709	ND
Flonicamid	55 - 2787	ND		Spiroxamine 1	20 - 1220	ND
Fludioxonil	265 - 2716	ND		Spiroxamine 2	23 - 1484	ND
Hexythiazox	44 - 2760	ND		Tebuconazole	307 - 2696	ND
Imazalil	270 - 2724	ND		Thiacloprid	44 - 2755	ND
Imidacloprid	44 - 2784	ND		Thiamethoxam	44 - 2769	ND
Kresoxim-methyl	45 - 2688	ND		Trifloxystrobin	46 - 2746	ND

### Final Approval

  
Judith Marquez  
05Sep2025  
08:34:00 AM MDT  
PREPARED BY / DATE

  
Sam Smith  
05Sep2025  
08:38:00 AM MDT  
APPROVED BY / DATE

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<https://results.botanacor.com/api/v1/coas/uuid/5acd6ca2-cb96-4b18-8baf-005071d54825>

### Definitions

LOD = Limit of Detection, ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation, PPB = Parts per Billion, % = % (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)). Fail equates to a concentration level of Delta 9-THC, on a dry weight basis, higher than 0.3 percent + or - the measurement uncertainty. Total Potential THC is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step. Total THC = THC + (THCa \* (0.877)). ALOQ = Above Limit Of Quantitation (defined by dynamic range of the method), CFU/g = Colony Forming Units per Gram. 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.

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. Some tests listed on this COA may not be within our scope of A2LA accreditation. Please visit [A2LA for more details](#).



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