

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBN Oil Tincture

Batch ID or Lot Number: N537	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 19Sep2025	Started: 19Sep2025	Received: 18Sep2025	


Residual Solvents


Test ID: T000312154

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	82 - 1633	ND	
Butanes (Isobutane, n-Butane)	150 - 3009	ND	
Methanol	63 - 1258	ND	
Pentane	86 - 1716	ND	
Ethanol	86 - 1718	ND	
Acetone	99 - 1988	ND	
Isopropyl Alcohol	101 - 2028	ND	
Hexane	6 - 126	ND	
Ethyl Acetate	102 - 2042	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	97 - 1940	ND	
Toluene	18 - 364	ND	
Xylenes (m,p,o-Xylenes)	132 - 2646	ND	

Final Approval


Judith Marquez
19Sep2025
03:34:00 PM MDT
PREPARED BY / DATE


Sam Smith
19Sep2025
03:36:00 PM MDT
APPROVED BY / DATE

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Pesticides


Test ID: T000312151

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	314 - 2715	ND		Malathion	309 - 2766	ND
Acephate	59 - 2638	ND		Metalaxyl	40 - 2792	ND
Acetamiprid	45 - 2674	ND		Methiocarb	45 - 2685	ND
Azoxystrobin	44 - 2771	ND		Methomyl	42 - 2733	ND
Bifenazate	35 - 2852	ND		MGK 264 1	189 - 1659	ND
Boscalid	39 - 2653	ND		MGK 264 2	135 - 1065	ND
Carbaryl	44 - 2675	ND		Myclobutanil	44 - 2701	ND
Carbofuran	41 - 2728	ND		Naled	43 - 2748	ND
Chlorantraniliprole	49 - 2640	ND		Oxamyl	41 - 2740	ND
Chlorpyrifos	41 - 2784	ND		Paclobutrazol	50 - 2722	ND
Clofentezine	303 - 2733	ND		Permethrin	194 - 2706	ND
Diazinon	270 - 2778	ND		Phosmet	40 - 2788	ND
Dichlorvos	275 - 2790	ND		Prophos	305 - 2704	ND
Dimethoate	44 - 2700	ND		Propoxur	41 - 2728	ND
E-Fenpyroximate	358 - 2649	ND		Pyridaben	340 - 2653	ND
Etofenprox	45 - 2656	ND		Spinosad A	32 - 2003	ND
Etoxazole	354 - 2650	ND		Spinosad D	85 - 699	ND
Fenoxycarb	31 - 2780	ND		Spiromesifen	331 - 2642	ND
Fipronil	36 - 2767	ND		Spirotetramat	296 - 2725	ND
Flonicamid	46 - 2744	ND		Spiroxamine 1	19 - 1197	ND
Fludioxonil	294 - 2743	ND		Spiroxamine 2	24 - 1455	ND
Hexythiazox	48 - 2628	ND		Tebuconazole	317 - 2754	ND
Imazalil	282 - 2775	ND		Thiacloprid	45 - 2687	ND
Imidacloprid	53 - 2692	ND		Thiamethoxam	41 - 2695	ND
Kresoxim-methyl	35 - 2814	ND		Trifloxystrobin	43 - 2714	ND

Final Approval


Judith Marquez
22Sep2025
04:48:00 PM MDT
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Sam Smith
22Sep2025
04:50:00 PM MDT
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Reported:

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Microbial Contaminants - Colorado Compliance

Test ID: T000312152

Methods: TM25 (qPCR) TM24, TM26,

TM27 (Culture Plating): Microbial

(Colorado Panel)

	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



Theresa Goergen

21Sep2025

01:15:00 PM MDT



Brett Hudson

22Sep2025

11:55:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Cannabinoids

Test ID: T000312150

Methods: TM14 (HPLC-DAD)

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.146	0.585	1.900	2.10	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.134	0.535	ND	ND	
Cannabidiol (CBD)	0.612	1.593	1.920	2.10	
Cannabidiolic Acid (CBDA)	0.628	1.634	ND	ND	
Cannabidivarin (CBDV)	0.145	0.377	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.262	0.682	ND	ND	
Cannabigerol (CBG)	0.083	0.332	2.010	2.20	
Cannabigerolic Acid (CBGA)	0.347	1.388	ND	ND	
Cannabinol (CBN)	0.108	0.433	58.920	64.00	
Cannabinolic Acid (CBNA)	0.237	0.947	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.414	1.653	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.376	1.502	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.333	1.330	ND	ND	
Tetrahydrocannabivarin (THCV)	0.076	0.302	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.294	1.173	ND	ND	
Total Cannabinoids			64.750	70.40	
Total Potential THC			0.000	0.00	
Total Potential CBD			1.920	2.10	

Final Approval



Judith Marquez
23Sep2025
03:07:00 PM MDT

PREPARED BY / DATE



Sam Smith
23Sep2025
03:14:00 PM MDT

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000312153

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.80	ND	
Cadmium	0.05 - 4.54	ND	
Mercury	0.04 - 4.35	ND	
Lead	0.04 - 4.44	ND	

Final Approval



Judith Marquez
23Sep2025
07:17:00 AM MDT

PREPARED BY / DATE



Sam Smith
23Sep2025
07:22:00 AM MDT

APPROVED BY / DATE

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Mycotoxins - Colorado

Compliance

Test ID: T000312155

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.11 - 130.34	ND	N/A
Aflatoxin B1	0.85 - 32.22	ND	
Aflatoxin B2	0.79 - 32.37	ND	
Aflatoxin G1	1.01 - 31.93	ND	
Aflatoxin G2	0.98 - 32.34	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Judith Marquez
25Sep2025
09:17:00 AM MDT

PREPARED BY / DATE



Sam Smith
25Sep2025
11:44:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fb80e622-549c-42c5-99c7-29de01394b70>

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: 10² = 100 CFU, 10³ = 1,000 CFU, 10⁴ = 10,000 CFU, 10⁵ = 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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