

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals Delta 9 Tincture

Batch ID or Lot Number: 9335	Test: Potency	Reported: 31Aug2023	USDA License: N/A
Matrix: Solution	Test ID: T000254833	Started: 31Aug2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 30Aug2023	Status: Active

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.180	0.427	<LOQ	<LOQ	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.164	0.390	ND	ND	
Cannabidiol (CBD)	0.468	1.134	<LOQ	<LOQ	
Cannabidiolic Acid (CBDA)	0.480	1.164	ND	ND	
Cannabidivarin (CBDV)	0.111	0.268	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.200	0.485	ND	ND	
Cannabigerol (CBG)	0.102	0.242	0.488	0.53	
Cannabigerolic Acid (CBGA)	0.426	1.013	ND	ND	
Cannabinol (CBN)	0.133	0.316	0.542	0.59	
Cannabinolic Acid (CBNA)	0.291	0.691	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.508	1.207	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.029	0.068	2.562	2.78	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.026	0.061	ND	ND	
Tetrahydrocannabivarin (THCV)	0.093	0.220	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.361	0.856	ND	ND	
Total Cannabinoids			3.592	3.90	
Total Potential THC			2.562	2.78	
Total Potential CBD			0.000	0.00	

Final ApprovalSam Smith
31Aug2023
02:47:00 PM MDT

PREPARED BY / DATE

Karen Winternheimer
31Aug2023
03:01:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/ece731c3-f91a-4eb3-aa83-ba3824b9d5bc>**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.



Cert #4329.02

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Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals Delta 9 Tincture

Batch ID or Lot Number: 9335	Test: Heavy Metals	Reported: 05Sep2023	USDA License: NA
Matrix: Finished Product	Test ID: T000254836	Started: 05Sep2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 30Aug2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.05 - 4.85	ND	
Mercury	0.05 - 4.80	ND	
Lead	0.05 - 4.73	ND	

Final Approval



Sam Smith
05Sep2023
04:02:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
05Sep2023
04:05:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/5dcd624c-d1ea-4635-8900-b2f29a2b9dbc>

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 Delta 9 Tincture

Batch ID or Lot Number: 9335	Test: Microbial Contaminants	Reported: 05Sep2023	USDA License: NA
Matrix: Finished Product	Test ID: T000254835	Started: 30Aug2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 30Aug2023	Status: NA

Microbial

Contaminants

	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



Brett Hudson
02Sep2023
12:16:00 PM MDT

PREPARED BY / DATE



Brianne Maillot
05Sep2023
09:31:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/eda0a6af-266f-4c32-b480-889db1e04def>

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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Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals Delta 9 Tincture

Batch ID or Lot Number: 9335	Test: Pesticides	Reported: 07Sep2023	USDA License: NA
Matrix: Finished Product	Test ID: T000254834	Started: 06Sep2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 30Aug2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	419 - 2744	ND
Acephate	44 - 2757	ND
Acetamiprid	41 - 2752	ND
Azoxystrobin	48 - 2701	ND
Bifenazate	44 - 2732	ND
Boscalid	39 - 2669	ND
Carbaryl	42 - 2729	ND
Carbofuran	43 - 2709	ND
Chlorantraniliprole	44 - 2684	ND
Chlorpyrifos	44 - 2780	ND
Clofentezine	279 - 2751	ND
Diazinon	288 - 2747	ND
Dichlorvos	276 - 2790	ND
Dimethoate	42 - 2751	ND
E-Fenpyroximate	298 - 2805	ND
Etofenprox	44 - 2754	ND
Etoxazole	306 - 2771	ND
Fenoxycarb	28 - 2741	ND
Fipronil	54 - 2679	ND
Flonicamid	46 - 2810	ND
Fludioxonil	275 - 2643	ND
Hexythiazox	43 - 2787	ND
Imazalil	282 - 2751	ND
Imidacloprid	42 - 2806	ND
Kresoxim-methyl	46 - 2755	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	294 - 2709	ND
Metalaxyl	42 - 2719	ND
Methiocarb	43 - 2687	ND
Methomyl	41 - 2778	ND
MGK 264 1	170 - 1674	ND
MGK 264 2	109 - 1077	ND
Myclobutanil	41 - 2563	ND
Naled	40 - 2752	ND
Oxamyl	41 - 2784	ND
Paclobutrazol	44 - 2727	ND
Permethrin	274 - 2728	ND
Phosmet	44 - 2714	ND
Prophos	303 - 2652	ND
Propoxur	44 - 2720	ND
Pyridaben	299 - 2785	ND
Spinosad A	31 - 2097	ND
Spinosad D	66 - 682	ND
Spiromesifen	294 - 2758	ND
Spirotetramat	276 - 2734	ND
Spiroxamine 1	18 - 1178	ND
Spiroxamine 2	23 - 1491	ND
Tebuconazole	291 - 2783	ND
Thiacloprid	42 - 2731	ND
Thiamethoxam	41 - 2792	ND
Trifloxystrobin	44 - 2700	ND

Final Approval



Karen Winternheimer
07Sep2023
09:17:00 AM MDT

PREPARED BY / DATE



Sam Smith
07Sep2023
09:19:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/0d7f823e-0d2d-4b4d-b0bd-8ff8bed8ef71>

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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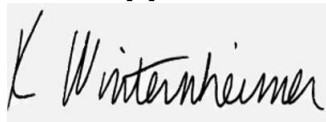
DENVER, CO USA 80202

NuLeaf Naturals Delta 9 Tincture

Batch ID or Lot Number: 9335	Test: Residual Solvents	Reported: 01Sep2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000254837	Started: 31Aug2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 30Aug2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1889	ND	
Butanes (Isobutane, n-Butane)	192 - 3847	ND	
Methanol	63 - 1257	ND	
Pentane	98 - 1967	ND	
Ethanol	105 - 2094	ND	
Acetone	102 - 2040	ND	
Isopropyl Alcohol	107 - 2146	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	102 - 2036	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	99 - 1974	ND	
Toluene	18 - 365	ND	
Xylenes (m,p,o-Xylenes)	134 - 2685	ND	

Final Approval



Karen Winternheimer

01Sep2023

06:25:00 AM MDT

PREPARED BY / DATE



Sam Smith

01Sep2023

06:27:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/81cb8c16-e988-4685-a8ed-2d75cdb004e3>

Definitions

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