

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBG Oil Tincture

Batch ID or Lot Number: G332	Test: Potency	Reported: 15Aug2023	USDA License: N/A
Matrix: Solution	Test ID: T000252487	Started: 14Aug2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 10Aug2023	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.289	1.036	1.680	1.80	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.265	0.948	ND	ND	
Cannabidiol (CBD)	1.159	2.970	<LOQ	<LOQ	
Cannabidiolic Acid (CBDA)	1.188	3.046	ND	ND	
Cannabidivarin (CBDV)	0.274	0.702	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.496	1.271	ND	ND	
Cannabigerol (CBG)	0.164	0.588	58.070	63.10	
Cannabigerolic Acid (CBGA)	0.686	2.459	ND	ND	
Cannabinol (CBN)	0.214	0.767	2.010	2.20	
Cannabinolic Acid (CBNA)	0.468	1.678	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.818	2.929	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.743	2.660	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.658	2.357	ND	ND	
Tetrahydrocannabivarin (THCV)	0.149	0.535	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.580	2.079	ND	ND	
Total Cannabinoids			61.760	67.10	
Total Potential THC			0.000	0.00	
Total Potential CBD			0.000	0.00	

Final ApprovalSam Smith
15Aug2023
05:48:00 PM MDT

PREPARED BY / DATE

Karen Winternheimer
15Aug2023
05:56:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/64091408-9326-42a9-8c02-5ef532188d91>**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 CBG Oil Tincture

Batch ID or Lot Number: G332	Test: Heavy Metals	Reported: 16Aug2023	USDA License: NA
Matrix: Finished Product	Test ID: T000252490	Started: 16Aug2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 10Aug2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.39	ND	
Cadmium	0.05 - 5.23	ND	
Mercury	0.04 - 4.41	ND	
Lead	0.05 - 5.05	ND	

Final Approval



Sam Smith
16Aug2023
02:24:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
16Aug2023
02:26:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ec7b2ee6-bbe9-4177-9940-32eb85153503>

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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Cert #4329.02

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Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBG Oil Tincture

Batch ID or Lot Number: G332	Test: Microbial Contaminants	Reported: 14Aug2023	USDA License: NA
Matrix: Finished Product	Test ID: T000252489	Started: 10Aug2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 10Aug2023	Status: NA

Microbial

Contaminants

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



Brianne Maillot
13Aug2023
09:18:00 AM MDT

PREPARED BY / DATE



Eden Thompson-Wright
14Aug2023
09:42:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fb2e5855-5b1a-4e77-9a1d-1db04ae1ff50>

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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NuLeaf Naturals CBG Oil Tincture

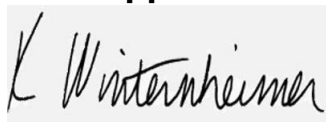
Batch ID or Lot Number: G332	Test: Pesticides	Reported: 18Aug2023	USDA License: NA
Matrix: Concentrate	Test ID: T000252488	Started: 17Aug2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 10Aug2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	202 - 2627	ND
Acephate	44 - 2777	ND
Acetamiprid	41 - 2668	ND
Azoxystrobin	45 - 2726	ND
Bifenazate	43 - 2720	ND
Boscalid	44 - 2702	ND
Carbaryl	39 - 2721	ND
Carbofuran	42 - 2717	ND
Chlorantraniliprole	43 - 2673	ND
Chlorpyrifos	47 - 2827	ND
Clofentezine	276 - 2738	ND
Diazinon	286 - 2754	ND
Dichlorvos	273 - 2719	ND
Dimethoate	42 - 2677	ND
E-Fenpyroximate	293 - 2807	ND
Etofenprox	42 - 2713	ND
Etoxazole	292 - 2764	ND
Fenoxycarb	41 - 2710	ND
Fipronil	75 - 2626	ND
Flonicamid	48 - 2664	ND
Fludioxonil	307 - 2676	ND
Hexythiazox	40 - 2769	ND
Imazalil	271 - 2791	ND
Imidacloprid	51 - 2714	ND
Kresoxim-methyl	47 - 2741	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	282 - 2763	ND
Metalaxyl	44 - 2750	ND
Methiocarb	45 - 2694	ND
Methomyl	41 - 2701	ND
MGK 264 1	174 - 1643	ND
MGK 264 2	105 - 1078	ND
Myclobutanil	54 - 2664	ND
Naled	45 - 2741	ND
Oxamyl	43 - 2702	ND
Paclobutrazol	45 - 2714	ND
Permethrin	285 - 2790	ND
Phosmet	40 - 2734	ND
Prophos	294 - 2642	ND
Propoxur	41 - 2700	ND
Pyridaben	296 - 2749	ND
Spinosad A	32 - 2098	ND
Spinosad D	63 - 686	ND
Spiromesifen	278 - 2783	ND
Spirotetramat	283 - 2754	ND
Spiroxamine 1	17 - 1139	ND
Spiroxamine 2	21 - 1531	ND
Tebuconazole	289 - 2738	ND
Thiacloprid	44 - 2650	ND
Thiamethoxam	43 - 2706	ND
Trifloxystrobin	44 - 2695	ND

Final Approval



Karen Winternheimer
18Aug2023
11:06:00 AM MDT

PREPARED BY / DATE



Sam Smith
18Aug2023
11:10:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f31464e6-fa3a-4a3a-a4f4-9495651c065a>

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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Prepared for:

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1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBG Oil Tincture

Batch ID or Lot Number: G332	Test: Residual Solvents	Reported: 15Aug2023	USDA License: N/A
Matrix: Finished Product	Test ID: T000252491	Started: 15Aug2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 10Aug2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	98 - 1954	ND	
Butanes (Isobutane, n-Butane)	195 - 3909	ND	
Methanol	61 - 1221	ND	
Pentane	101 - 2023	ND	
Ethanol	101 - 2010	ND	
Acetone	99 - 1983	ND	
Isopropyl Alcohol	103 - 2055	ND	
Hexane	6 - 123	ND	
Ethyl Acetate	101 - 2020	ND	
Benzene	0.2 - 4.2	ND	
Heptanes	106 - 2113	ND	
Toluene	18 - 365	ND	
Xylenes (m,p,o-Xylenes)	134 - 2678	ND	

Final ApprovalSam Smith
15Aug2023
01:50:00 PM MDT

PREPARED BY / DATE

Karen Winternheimer
15Aug2023
02:03:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/8a9d1262-98bf-4c63-a818-941cbd118e78>**Definitions**

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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