

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964


DENVER, CO USA 80202

NuLeaf Naturals CBD Balm 1.5oz

Batch ID or Lot Number: 83A622	Test: Potency	Reported: 22Dec2023	USDA License: N/A
Matrix: Unit	Test ID: T000265601	Started: 21Dec2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 20Dec2023	Status: N/A

Cannabinoids

	LOD (mg)	LOQ (mg)	Result (mg)	Result (mg/g)	Notes
Cannabichromene (CBC)	8.468	28.392	<LOQ	<LOQ	# of Servings = 1, Sample Weight=42.5g
Cannabichromenic Acid (CBCA)	7.745	25.969	ND	ND	
Cannabidiol (CBD)	23.919	71.143	924.740	21.80	
Cannabidiolic Acid (CBDA)	24.532	72.968	ND	ND	
Cannabidivarin (CBDV)	5.657	16.826	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	10.234	30.439	ND	ND	
Cannabigerol (CBG)	4.808	16.120	23.190	0.50	
Cannabigerolic Acid (CBGA)	20.099	67.388	ND	ND	
Cannabinol (CBN)	6.272	21.030	ND	ND	
Cannabinolic Acid (CBNA)	13.713	45.977	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	23.945	80.283	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	21.747	72.912	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	19.267	64.600	ND	ND	
Tetrahydrocannabivarin (THCV)	4.373	14.663	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	16.995	56.980	ND	ND	
Total Cannabinoids			947.930	22.30	
Total Potential THC			0.000	0.00	
Total Potential CBD			924.740	21.80	

Final ApprovalSam Smith
22Dec2023
09:08:00 AM MSTKaren Winternheimer
22Dec2023
09:18:00 AM MST

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/2ebf32c9-a13b-4714-8fa7-90209d57b28a>**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 A2LA Cert #: 4329.02 Chemical; 4329.03 Biological.



Cert #4329.02

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Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBD Balm 1.5oz

Batch ID or Lot Number: 83A622	Test: Heavy Metals	Reported: 26Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000265604	Started: 21Dec2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 20Dec2023	Status: NA

Heavy Metals


	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.16	ND	
Cadmium	0.04 - 4.18	ND	
Mercury	0.04 - 4.47	ND	
Lead	0.04 - 4.24	ND	

Final Approval



Colin Hendrickson
26Dec2023
11:32:00 AM MST

PREPARED BY / DATE



Sam Smith
26Dec2023
11:36:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/27eb6533-f576-4015-b748-aa26c2156395>

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 CBD Balm 1.5oz

Batch ID or Lot Number: 83A622	Test: Microbial Contaminants	Reported: 29Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000265603	Started: 26Dec2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 20Dec2023	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



Brett Hudson
29Dec2023
11:36:00 AM MST

PREPARED BY / DATE



Brianne Maillot
29Dec2023
01:02:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a011d274-aeb5-43dd-a9f0-ed9990227802>

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 CBD Balm 1.5oz


Batch ID or Lot Number: 83A622	Test: Pesticides	Reported: 24Dec2023	USDA License: NA
Matrix: Finished Product	Test ID: T000265602	Started: 22Dec2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 20Dec2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	365 - 2850	ND
Acephate	42 - 2697	ND
Acetamiprid	41 - 2724	ND
Azoxystrobin	41 - 2696	ND
Bifenazate	42 - 2662	ND
Boscalid	37 - 2605	ND
Carbaryl	42 - 2643	ND
Carbofuran	42 - 2668	ND
Chlorantraniliprole	47 - 2712	ND
Chlorpyrifos	22 - 2824	ND
Clofentezine	286 - 2739	ND
Diazinon	274 - 2706	ND
Dichlorvos	206 - 2817	ND
Dimethoate	42 - 2753	ND
E-Fenpyroximate	252 - 2816	ND
Etofenprox	45 - 2800	ND
Etoxazole	296 - 2715	ND
Fenoxycarb	47 - 2694	ND
Fipronil	40 - 2846	ND
Flonicamid	50 - 2811	ND
Fludioxonil	293 - 2731	ND
Hexythiazox	40 - 2850	ND
Imazalil	287 - 2684	ND
Imidacloprid	40 - 2717	ND
Kresoxim-methyl	38 - 2748	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	296 - 2720	ND
Metalaxyl	39 - 2698	ND
Methiocarb	42 - 2709	ND
Methomyl	40 - 2754	ND
MGK 264 1	170 - 1649	ND
MGK 264 2	115 - 1109	ND
Myclobutanil	72 - 2717	ND
Naled	44 - 2578	ND
Oxamyl	40 - 2742	ND
Paclobutrazol	40 - 2620	ND
Permethrin	266 - 2818	ND
Phosmet	42 - 2573	ND
Prophos	279 - 2726	ND
Propoxur	41 - 2627	ND
Pyridaben	298 - 2816	ND
Spinosad A	33 - 2034	ND
Spinosad D	67 - 684	ND
Spiromesifen	274 - 2821	ND
Spirotetramat	270 - 2754	ND
Spiroxamine 1	15 - 1002	ND
Spiroxamine 2	25 - 1561	ND
Tebuconazole	268 - 2629	ND
Thiacloprid	42 - 2734	ND
Thiamethoxam	43 - 2762	ND
Trifloxystrobin	42 - 2672	ND

Final Approval



Karen Winternheimer
24Dec2023
11:01:00 AM MST

PREPARED BY / DATE



Sam Smith
24Dec2023
11:04:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/9f13a416-9b5c-49cd-9010-c4e95adc6d2f>

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

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBD Balm 1.5oz

Batch ID or Lot Number: 83A622	Test: Residual Solvents	Reported: 26Dec2023	USDA License: N/A
Matrix: Topical	Test ID: T000265605	Started: 22Dec2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 20Dec2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1624	ND	
Butanes (Isobutane, n-Butane)	160 - 3196	ND	
Methanol	56 - 1122	ND	
Pentane	87 - 1742	ND	
Ethanol	89 - 1780	ND	
Acetone	91 - 1825	ND	
Isopropyl Alcohol	98 - 1965	ND	
Hexane	6 - 111	ND	
Ethyl Acetate	94 - 1873	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	89 - 1782	ND	
Toluene	17 - 334	ND	
Xylenes (m,p,o-Xylenes)	123 - 2458	ND	

Final Approval



Karen Winternheimer
26Dec2023
10:26:00 AM MST

PREPARED BY / DATE



Sam Smith
26Dec2023
10:35:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2ff9e713-5a94-4f6f-9a80-a68ca1ff5287>

Definitions

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