

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals Full Spectrum CBD Balm

Batch ID or Lot Number:
325F306-0160,-0161,-0162,-0167,-0168

Test:

Potency

Reported:

12Jul2023

USDA License:

N/A

Matrix:
Concentrate

Test ID:

T000248338

Started:

11Jul2023

Sampler ID:

N/A

Method(s):

TM14 (HPLC-DAD)

Received:

07Jul2023

Status:

N/A

Cannabinoids

	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.016	0.054	0.120	1.20	
Cannabichromenic Acid (CBCA)	0.014	0.050	ND	ND	
Cannabidiol (CBD)	0.063	0.162	2.310	23.10	
Cannabidiolic Acid (CBDA)	0.064	0.166	ND	ND	
Cannabidivarin (CBDV)	0.015	0.038	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.027	0.069	ND	ND	
Cannabigerol (CBG)	0.009	0.031	ND	ND	
Cannabigerolic Acid (CBGA)	0.037	0.129	ND	ND	
Cannabinol (CBN)	0.012	0.040	ND	ND	
Cannabinolic Acid (CBNA)	0.025	0.088	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.044	0.153	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.040	0.139	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.036	0.123	ND	ND	
Tetrahydrocannabivarin (THCV)	0.008	0.028	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.032	0.109	ND	ND	
Total Cannabinoids			2.430	24.30	
Total Potential THC			0.000	0.00	
Total Potential CBD			2.310	23.10	

Final Approval



Karen Winternheimer

12Jul2023

03:35:00 PM MDT

PREPARED BY / DATE



Sam Smith

12Jul2023

03:37:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/2e6f89be-f04f-4462-8f81-6f2a572f2824>

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

2e6f89bef04f44628f816f2a572f2824.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals Full Spectrum CBD Balm

Batch ID or Lot Number: 325F306-0160,-0161,-0162,-0167,-0168	Test: Heavy Metals	Reported: 11Jul2023	USDA License: NA
Matrix: Finished Product	Test ID: T000248341	Started: 10Jul2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 07Jul2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.27	ND	
Cadmium	0.04 - 4.39	ND	
Mercury	0.04 - 4.47	ND	
Lead	0.04 - 4.47	ND	

Final Approval



Sam Smith
11Jul2023
10:51:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
11Jul2023
10:53:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/1f58218d-eb66-4f66-9ba1-fc2e6c00fc2a>

Definitions

ND = None Detected (defined by dynamic range of the method)

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

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

1f58218deb664f669ba1fc2e6c00fc2a.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals Full Spectrum CBD Balm

Batch ID or Lot Number: 325F306-0160,-0161,-0162,-0167,-0168	Test: Microbial Contaminants	Reported: 10Jul2023	USDA License: NA
Matrix: Finished Product	Test ID: T000248340	Started: 07Jul2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 07Jul2023	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



Eden Thompson-Wright

10Jul2023

04:37:00 PM MDT

PREPARED BY / DATE



Brett Hudson

10Jul2023

04:43:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a82437c4-8281-4c58-bd0f-dc6d3a2cf060>

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

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

a82437c482814c58bd0fdc6d3a2cf060.1

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals Full Spectrum CBD Balm

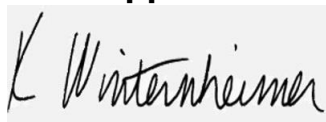
Batch ID or Lot Number: 325F306-0160,-0161,-0162,-0167,-0168	Test: Pesticides	Reported: 13Jul2023	USDA License: NA
Matrix: Finished Product	Test ID: T000248339	Started: 12Jul2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 07Jul2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	254 - 2710	ND
Acephate	44 - 2724	ND
Acetamiprid	42 - 2716	ND
Azoxystrobin	44 - 2756	ND
Bifenazate	40 - 2754	ND
Boscalid	45 - 2817	ND
Carbaryl	40 - 2706	ND
Carbofuran	43 - 2709	ND
Chlorantraniliprole	47 - 2839	ND
Chlorpyrifos	36 - 2768	ND
Clofentezine	285 - 2782	ND
Diazinon	279 - 2756	ND
Dichlorvos	279 - 2771	ND
Dimethoate	42 - 2719	ND
E-Fenpyroximate	288 - 2796	ND
Etofenprox	43 - 2727	ND
Etoxazole	297 - 2746	ND
Fenoxycarb	12 - 2794	ND
Fipronil	65 - 2712	ND
Flonicamid	51 - 2752	ND
Fludioxonil	300 - 2843	ND
Hexythiazox	41 - 2755	ND
Imazalil	288 - 2795	ND
Imidacloprid	43 - 2793	ND
Kresoxim-methyl	39 - 2782	ND

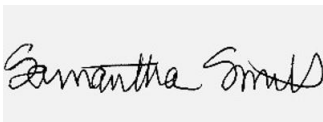
Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	298 - 2762	ND
Metalaxyl	40 - 2764	ND
Methiocarb	42 - 2806	ND
Methomyl	42 - 2753	ND
MGK 264 1	170 - 1665	ND
MGK 264 2	110 - 1056	ND
Myclobutanil	40 - 2854	ND
Naled	45 - 2760	ND
Oxamyl	42 - 2745	ND
Paclobutrazol	42 - 2731	ND
Permethrin	293 - 2713	ND
Phosmet	43 - 2744	ND
Prophos	282 - 2776	ND
Propoxur	43 - 2728	ND
Pyridaben	294 - 2751	ND
Spinosad A	32 - 2082	ND
Spinosad D	64 - 680	ND
Spiromesifen	277 - 2756	ND
Spirotetramat	280 - 2803	ND
Spiroxamine 1	16 - 1215	ND
Spiroxamine 2	21 - 1596	ND
Tebuconazole	289 - 2740	ND
Thiacloprid	42 - 2707	ND
Thiamethoxam	43 - 2760	ND
Trifloxystrobin	43 - 2714	ND

Final Approval


K Winternheimer

Karen Winternheimer
13Jul2023
12:43:00 PM MDT

PREPARED BY / DATE


Sam Smith

Sam Smith
13Jul2023
12:45:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/601e723a-9ab0-4c6c-b121-004148baa865>

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

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

601e723a9ab04c6cb121004148baa865.1

Prepared for:

NULEAF NATURALS

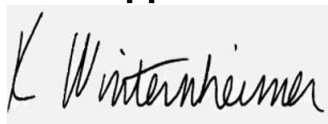
1550 LARIMER ST. #964
DENVER, CO USA 80202

NuLeaf Naturals Full Spectrum CBD Balm

Batch ID or Lot Number: 325F306-0160,-0161,-0162,-0167,-0168	Test: Residual Solvents	Reported: 13Jul2023	USDA License: N/A
Matrix: Topical	Test ID: T000248342	Started: 12Jul2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 07Jul2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1679	ND	
Butanes (Isobutane, n-Butane)	167 - 3346	ND	
Methanol	57 - 1138	ND	
Pentane	86 - 1719	ND	
Ethanol	92 - 1847	ND	
Acetone	90 - 1804	ND	
Isopropyl Alcohol	98 - 1955	ND	
Hexane	5 - 106	ND	
Ethyl Acetate	91 - 1828	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	91 - 1816	ND	
Toluene	17 - 343	ND	
Xylenes (m,p,o-Xylenes)	128 - 2558	ND	

Final Approval



Karen Winternheimer
13Jul2023
01:00:00 PM MDT

PREPARED BY / DATE



Sam Smith
13Jul2023
01:01:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/070560da-028b-488e-a0f9-cd042a3412ae>

Definitions

ND = None Detected (defined by dynamic range of the method)

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

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

070560da028b488ea0f9cd042a3412ae.1