

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals CBD Balm 1.0oz

Batch ID or Lot Number: 89E0F3	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 04Nov2024	Started: 01Nov2024	Received: 31Oct2024	

**Microbial
Contaminants -
Colorado Compliance**

Test ID: T000292735

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



Brett Hudson
04Nov2024
04:26:00 PM MST



Nora Langer
04Nov2024
04:42:00 PM MST

PREPARED BY / DATE

APPROVED BY / DATE

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Cannabinoids - Colorado Compliance

Test ID: T000292733

Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.021	0.047	0.47	
Cannabichromenic Acid (CBCA)	0.006	0.020	ND	ND	
Cannabidiol (CBD)	0.018	0.060	2.237	22.37	
Cannabidiolic Acid (CBDA)	0.019	0.062	ND	ND	
Cannabidivarin (CBDV)	0.004	0.014	0.031	0.31	
Cannabidivarinic Acid (CBDVA)	0.008	0.026	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.071	0.71	
Cannabigerolic Acid (CBGA)	0.016	0.051	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.035	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.019	0.060	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.017	0.055	0.075	0.75	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.015	0.049	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.043	ND	ND	
Total Cannabinoids			2.461	24.61	
Total Potential THC			0.075	0.75	
Total Potential CBD			2.237	22.37	

Final Approval

 Judith Marquez
06Nov2024
03:16:00 PM MST

PREPARED BY / DATE

 Sam Smith
06Nov2024
03:26:00 PM MST

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000292736

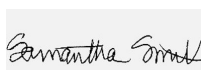
Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.70	ND	
Cadmium	0.05 - 4.70	ND	
Mercury	0.05 - 4.83	ND	
Lead	0.05 - 5.26	ND	

Final Approval

 Judith Marquez
06Nov2024
12:31:00 PM MST

PREPARED BY / DATE

 Sam Smith
06Nov2024
03:06:00 PM MST

APPROVED BY / DATE

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NuLeaf Naturals CBD Balm 1.0oz

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Pesticides

Test ID: T000292734

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	394 - 2706	ND		Malathion	277 - 2772	ND
Acephate	46 - 2775	ND		Metalaxyl	46 - 2755	ND
Acetamiprid	37 - 2745	ND		Methiocarb	45 - 2729	ND
Azoxystrobin	45 - 2766	ND		Methomyl	40 - 2799	ND
Bifenazate	38 - 2769	ND		MGK 264 1	138 - 1605	ND
Boscalid	43 - 2665	ND		MGK 264 2	108 - 1089	ND
Carbaryl	37 - 2704	ND		Myclobutanil	40 - 2672	ND
Carbofuran	43 - 2697	ND		Naled	41 - 2699	ND
Chlorantraniliprole	38 - 2712	ND		Oxamyl	42 - 2798	ND
Chlorpyrifos	28 - 2778	ND		Paclobutrazol	42 - 2710	ND
Clofentezine	271 - 2755	ND		Permethrin	253 - 2723	ND
Diazinon	278 - 2776	ND		Phosmet	47 - 2646	ND
Dichlorvos	261 - 2774	ND		Prophos	282 - 2714	ND
Dimethoate	39 - 2753	ND		Propoxur	42 - 2703	ND
E-Fenpyroximate	337 - 2738	ND		Pyridaben	334 - 2735	ND
Etofenprox	38 - 2763	ND		Spinosad A	31 - 2103	ND
Etoxazole	337 - 2661	ND		Spinosad D	76 - 659	ND
Fenoxycarb	45 - 2768	ND		Spiromesifen	317 - 2711	ND
Fipronil	32 - 2752	ND		Spirotetramat	295 - 2776	ND
Flonicamid	44 - 2790	ND		Spiroxamine 1	14 - 1034	ND
Fludioxonil	298 - 2742	ND		Spiroxamine 2	23 - 1615	ND
Hexythiazox	41 - 2712	ND		Tebuconazole	289 - 2761	ND
Imazalil	267 - 2773	ND		Thiacloprid	38 - 2779	ND
Imidacloprid	37 - 2763	ND		Thiamethoxam	38 - 2773	ND
Kresoxim-methyl	45 - 2804	ND		Trifloxystrobin	42 - 2739	ND

Final Approval

 Sam Smith
07Nov2024
09:10:00 AM MST

PREPARED BY / DATE

 Karen Winternheimer
07Nov2024
09:13:00 AM MST

APPROVED BY / DATE

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NULEAF NATURALS

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NuLeaf Naturals CBD Balm 1.0oz

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**Residual Solvents -
Colorado Compliance**

Test ID: T000292737

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	81 - 1629	ND	
Butanes (Isobutane, n-Butane)	164 - 3280	ND	
Methanol	61 - 1224	ND	
Pentane	86 - 1716	ND	
Ethanol	87 - 1732	ND	
Acetone	97 - 1935	ND	
Isopropyl Alcohol	99 - 1988	ND	
Hexane	6 - 119	ND	
Ethyl Acetate	99 - 1989	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	94 - 1876	ND	
Toluene	18 - 358	ND	
Xylenes (m,p,o-Xylenes)	129 - 2589	ND	

Final Approval

 Sam Smith
07Nov2024
09:45:00 AM MST

PREPARED BY / DATE

 Karen Winternheimer
07Nov2024
09:46:00 AM MST

APPROVED BY / DATE

Prepared for:

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Batch ID or Lot Number: 89E0F3	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 5 of 5
Reported: 04Nov2024	Started: 01Nov2024	Received: 31Oct2024	

**Mycotoxins - Colorado
Compliance**

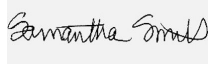
Test ID: T000292738

Methods: TM18 (UHPLC-QQ)

LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	0.66 - 120.52	ND	N/A
Aflatoxin B1	0.84 - 30.20	ND	
Aflatoxin B2	0.87 - 30.20	ND	
Aflatoxin G1	0.87 - 30.26	ND	
Aflatoxin G2	1.32 - 30.35	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Sam Smith
08Nov2024
09:35:00 AM MST
PREPARED BY / DATE


Karen Winternheimer
08Nov2024
09:37:00 AM MST
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a03f9e45-1033-48d6-b55d-879174f37320>

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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