

Prepared for:  
**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## NuLeaf Naturals Pet Balm 300mg

Batch ID or Lot Number: <b>37F16C</b>	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 6
Reported: <b>31Oct2024</b>	Started: 28Oct2024	Received: 28Oct2024	

### Microbial Contaminants - Colorado Compliance

Test ID: T000292567

Methods: TM25 (qPCR) TM24, TM26,  
TM27 (Culture Plating): Microbial

(Colorado Panel)	Method	LOD	Quantitation		Notes
			Range	Result	
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
Salmonella	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

### Final Approval



Nora Langer  
31Oct2024  
03:35:00 PM MDT



Brett Hudson  
31Oct2024  
04:37:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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**Residual Solvents -  
Colorado Compliance**

Test ID: T000292569

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	80 - 1605	ND	
Butanes (Isobutane, n-Butane)	161 - 3217	ND	
Methanol	63 - 1256	ND	
Pentane	84 - 1678	ND	
Ethanol	94 - 1873	ND	
Acetone	98 - 1960	ND	
Isopropyl Alcohol	107 - 2146	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	101 - 2019	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	94 - 1880	ND	
Toluene	19 - 375	ND	
Xylenes (m,p,o-Xylenes)	139 - 2771	ND	

**Final Approval**

  
PREPARED BY / DATE

Sam Smith  
31Oct2024  
02:34:00 PM MDT

  
APPROVED BY / DATE

Sam Smith  
31Oct2024  
02:36:00 PM MDT

Prepared for:  
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**Mycotoxins - Colorado**
**Compliance**

Test ID: T000292570

Methods: TM18 (UHPLC-QQQ)

LCMS/MS): Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.42 - 128.09	ND	N/A
Aflatoxin B1	0.87 - 33.09	ND	
Aflatoxin B2	0.90 - 31.97	ND	
Aflatoxin G1	1.03 - 32.65	ND	
Aflatoxin G2	0.96 - 32.50	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

**Final Approval**
  
 Sam Smith  
 01Nov2024  
 03:44:00 PM MDT

PREPARED BY / DATE

  
 Karen Winternheimer  
 01Nov2024  
 03:46:00 PM MDT

APPROVED BY / DATE

**Heavy Metals -  
Colorado Compliance**

Test ID: T000292568

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.34	ND	
Cadmium	0.04 - 4.28	ND	
Mercury	0.05 - 4.52	ND	
Lead	0.05 - 4.74	ND	

**Final Approval**
  
 Karen Winternheimer  
 01Nov2024  
 02:19:00 PM MDT

PREPARED BY / DATE

  
 Sam Smith  
 01Nov2024  
 02:24:00 PM MDT

APPROVED BY / DATE

Prepared for:  
**NULEAF NATURALS**

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**Cannabinoids - Colorado**
**Compliance**

Test ID: T000292565

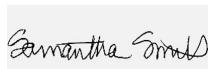
Methods: TM14 (HPLC-DAD): Potency – Standard

Cannabinoid Analysis	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.007	0.021	<LOQ	<LOQ	
Cannabichromenic Acid (CBCA)	0.006	0.019	ND	ND	
Cannabidiol (CBD)	0.018	0.060	0.550	5.50	
Cannabidiolic Acid (CBDA)	0.019	0.061	ND	ND	
Cannabidivaricin (CBDV)	0.004	0.014	<LOQ	<LOQ	
Cannabidivarinic Acid (CBDVA)	0.008	0.026	ND	ND	
Cannabigerol (CBG)	0.004	0.012	0.017	0.17	
Cannabigerolic Acid (CBGA)	0.016	0.050	ND	ND	
Cannabinol (CBN)	0.005	0.016	ND	ND	
Cannabinolic Acid (CBNA)	0.011	0.034	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.019	0.060	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.017	0.054	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.015	0.048	ND	ND	
Tetrahydrocannabivarin (THCV)	0.003	0.011	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.013	0.043	ND	ND	
<b>Total Cannabinoids</b>			<b>0.567</b>	<b>5.67</b>	
Total Potential THC			ND	ND	
Total Potential CBD			0.550	5.50	

**Final Approval**


 Judith Marquez  
 04Nov2024  
 12:43:00 PM MST

PREPARED BY / DATE



APPROVED BY / DATE

 Sam Smith  
 04Nov2024  
 12:44:00 PM MST

Prepared for:  
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**Pesticides**

Test ID: T000292566

Methods: TM17

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

**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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<https://results.botanacor.com/api/v1/coas/uuid/2b4c04f0-97f0-463b-a2ed-c4316b6c2240>

**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: 10^2 = 100 CFU, 10^3 = 1,000 CFU, 10^4 = 10,000 CFU, 10^5 = 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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