

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

NLNFBAB D9 Sleep Formulation

Batch ID or Lot Number: 9S531	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 19Aug2025	Started: 17Aug2025	Received: 15Aug2025	

Pesticides

Test ID: T000310359


Methods: TM17


(LC-QQ LC MS/MS)

	Dynamic Range (ppb)	Result (ppb)
Abamectin	353 - 2631	ND
Acephate	38 - 2612	ND
Acetamiprid	49 - 2612	ND
Azoxystrobin	48 - 2674	ND
Bifenazate	46 - 2716	ND
Boscalid	56 - 2637	ND
Carbaryl	48 - 2740	ND
Carbofuran	51 - 2719	ND
Chlorantraniliprole	60 - 2620	ND
Chlorpyrifos	53 - 2684	ND
Clofentezine	350 - 2740	ND
Diazinon	352 - 2731	ND
Dichlorvos	341 - 2642	ND
Dimethoate	56 - 2602	ND
E-Fenpyroximate	305 - 2826	ND
Etofenprox	49 - 2848	ND
Etoxazole	340 - 2831	ND
Fenoxycarb	50 - 2731	ND
Fipronil	38 - 2768	ND
Flonicamid	57 - 2661	ND
Fludioxonil	350 - 2667	ND
Hexythiazox	44 - 2848	ND
Imazalil	345 - 2699	ND
Imidacloprid	58 - 2629	ND
Kresoxim-methyl	49 - 2698	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	333 - 2744	ND
Metalaxyl	47 - 2711	ND
Methiocarb	59 - 2646	ND
Methomyl	54 - 2644	ND
MGK 264 1	193 - 1614	ND
MGK 264 2	107 - 1022	ND
Myclobutanil	53 - 2621	ND
Naled	65 - 2700	ND
Oxamyl	50 - 2623	ND
Paclobutrazol	53 - 2711	ND
Permethrin	323 - 2742	ND
Phosmet	60 - 2754	ND
Prophos	302 - 2678	ND
Propoxur	50 - 2714	ND
Pyridaben	330 - 2839	ND
Spinosad A	38 - 2003	ND
Spinosad D	83 - 744	ND
Spiromesifen	296 - 2844	ND
Spirotetramat	331 - 2712	ND
Spiroxamine 1	23 - 1172	ND
Spiroxamine 2	29 - 1428	ND
Tebuconazole	321 - 2703	ND
Thiacloprid	52 - 2604	ND
Thiamethoxam	54 - 2618	ND
Trifloxystrobin	52 - 2700	ND

Final Approval


Judith Marquez
20Aug2025
08:50:00 PM MDT
PREPARED BY / DATE


Sam Smith
20Aug2025
08:48:00 PM MDT
APPROVED BY / DATE

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Residual Solvents

Test ID: T000310362

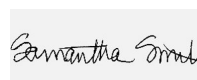
Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	79 - 1583	ND	
Butanes (Isobutane, n-Butane)	152 - 3048	ND	
Methanol	52 - 1037	ND	
Pentane	78 - 1566	ND	
Ethanol	74 - 1473	ND	
Acetone	87 - 1748	ND	
Isopropyl Alcohol	84 - 1687	ND	
Hexane	6 - 110	ND	
Ethyl Acetate	87 - 1745	ND	
Benzene	0.2 - 3.6	ND	
Heptanes	84 - 1670	ND	
Toluene	15 - 302	ND	
Xylenes (m,p,o-Xylenes)	105 - 2101	ND	

Final Approval


Judith Marquez
20Aug2025
03:04:00 PM MDT

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Sam Smith
20Aug2025
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Cannabinoids


Test ID: T000310358

Methods: TM14 (HPLC-DAD): Potency - Full Spectrum


Analysis, 0.3% THC

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.052	0.192	1.963	2.13	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.047	0.176	ND	ND	
Cannabidiol (CBD)	0.170	0.474	52.755	57.34	
Cannabidiolic Acid (CBDA)	0.174	0.487	0.522	0.57	
Cannabidivarin (CBDV)	0.040	0.112	0.453	0.49	
Cannabidivarinic Acid (CBDVA)	0.073	0.203	ND	ND	
Cannabigerol (CBG)	0.029	0.109	0.886	0.96	
Cannabigerolic Acid (CBGA)	0.123	0.457	ND	ND	
Cannabinol (CBN)	0.038	0.143	9.871	10.73	
Cannabinolic Acid (CBNA)	0.084	0.312	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.146	0.544	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.133	0.494	2.565	2.79	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.118	0.438	ND	ND	
Tetrahydrocannabivarin (THCV)	0.027	0.099	<LOQ	<LOQ	
Tetrahydrocannabivarinic Acid (THCVA)	0.104	0.386	ND	ND	
Total Cannabinoids			69.015	75.01	
Total Potential THC			2.565	2.79	
Total Potential CBD			53.213	57.84	

Final Approval


Judith Marquez
20Aug2025
02:36:00 PM MDT

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Sam Smith
20Aug2025
02:42:00 PM MDT

APPROVED BY / DATE


Heavy Metals - Colorado Compliance

Test ID: T000310361


Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.66	ND	
Cadmium	0.05 - 4.60	ND	
Mercury	0.05 - 4.75	ND	
Lead	0.05 - 4.52	ND	

Final Approval


Judith Marquez
21Aug2025
02:54:00 PM MDT

PREPARED BY / DATE


Sam Smith
21Aug2025
02:57:00 PM MDT

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Microbial Contaminants - Colorado Compliance

Test ID: T000310360
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


Aimee Lowe
21Aug2025
02:10:00 PM MDT
PREPARED BY / DATE



Theresa Goergen
21Aug2025
03:51:00 PM MDT
APPROVED BY / DATE

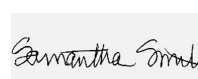
Mycotoxins - Colorado Compliance

Test ID: T000310363
Methods: TM18 (UHPLC-QQQ)
LCMS/MS: Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	3.54 - 127.14	ND	N/A
Aflatoxin B1	0.98 - 32.83	ND	
Aflatoxin B2	0.94 - 32.57	ND	
Aflatoxin G1	1.14 - 32.64	ND	
Aflatoxin G2	1.04 - 32.77	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Judith Marquez
24Aug2025
07:02:00 AM MDT
PREPARED BY / DATE


Sam Smith
24Aug2025
07:01:00 AM MDT
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<https://results.botanacor.com/api/v1/coas/uuid/b16adabf-ce63-469b-9419-9a13a1a5220d>

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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