

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals D9 Mocktail Pina Colada

Batch ID or Lot Number: 250702/528F306-0761	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 18Jul2025	Started: 15Jul2025	Received: 15Jul2025	

Mycotoxins - Colorado Compliance

Test ID: T000308464

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	1.12 - 129.69	ND	N/A
Aflatoxin B1	0.29 - 32.55	ND	
Aflatoxin B2	0.32 - 32.39	ND	
Aflatoxin G1	0.35 - 32.13	ND	
Aflatoxin G2	0.42 - 32.68	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Judith Marquez
18Jul2025
11:27:00 AM MDT

PREPARED BY / DATE



Sam Smith
18Jul2025
11:30:00 AM MDT

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000308461

Methods: TM19 (ICP-MS): Heavy

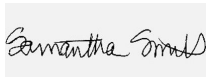
Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.16 - 15.93	ND	
Cadmium	0.04 - 4.33	ND	
Mercury	0.04 - 4.34	ND	
Lead	0.24 - 23.88	ND	

Final Approval



Judith Marquez
21Jul2025
02:06:00 PM MDT

PREPARED BY / DATE



Sam Smith
21Jul2025
02:23:00 PM MDT

APPROVED BY / DATE

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Microbial Contaminants - Colorado Compliance

Test ID: T000308460

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



Nora Langer
20Jul2025
02:45:00 PM MDT



Theresa Goergen
21Jul2025
02:16:00 PM MDT

PREPARED BY / DATE

APPROVED BY / DATE

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Cannabinoids

Test ID: T000308458

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)	0.003	0.011	ND	ND	Density = 1.039238g/mL
Cannabichromenic Acid (CBCA)	0.003	0.010	ND	ND	
Cannabidiol (CBD)	0.012	0.029	ND	ND	
Cannabidiolic Acid (CBDA)	0.012	0.030	ND	ND	
Cannabidivarin (CBDV)	0.003	0.007	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.005	0.012	ND	ND	
Cannabigerol (CBG)	0.002	0.006	<LOQ	<LOQ	
Cannabigerolic Acid (CBGA)	0.007	0.026	ND	ND	
Cannabinol (CBN)	0.002	0.008	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.005	0.018	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.008	0.031	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.007	0.028	0.154	0.15	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.006	0.025	ND	ND	
Tetrahydrocannabivarin (THCV)	0.001	0.006	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.006	0.022	ND	ND	
Total Cannabinoids			0.154	0.15	
Total Potential THC			0.154	0.15	
Total Potential CBD			ND	ND	

Final Approval


Judith Marquez
22Jul2025
11:40:00 AM MDT

PREPARED BY / DATE


Sam Smith
22Jul2025
11:42:00 AM MDT

APPROVED BY / DATE

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Pesticides

Test ID: T000308459

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)		Dynamic Range (ppb)	Result (ppb)	
Abamectin	310 - 2597	ND		Malathion	295 - 2737	ND
Acephate	39 - 2711	ND		Metalaxyl	54 - 2727	ND
Acetamiprid	43 - 2732	ND		Methiocarb	48 - 2738	ND
Azoxystrobin	52 - 2742	ND		Methomyl	45 - 2772	ND
Bifenazate	50 - 2752	ND		MGK 264 1	168 - 1724	ND
Boscalid	50 - 2782	ND		MGK 264 2	125 - 1085	ND
Carbaryl	48 - 2754	ND		Myclobutanil	49 - 2738	ND
Carbofuran	51 - 2724	ND		Naled	58 - 2754	ND
Chlorantraniliprole	51 - 2673	ND		Oxamyl	43 - 2739	ND
Chlorpyrifos	54 - 2818	ND		Paclobutrazol	51 - 2698	ND
Clofentezine	294 - 2779	ND		Permethrin	265 - 2801	ND
Diazinon	296 - 2725	ND		Phosmet	52 - 2743	ND
Dichlorvos	261 - 2716	ND		Prophos	286 - 2727	ND
Dimethoate	48 - 2752	ND		Propoxur	51 - 2751	ND
E-Fenpyroximate	232 - 2822	ND		Pyridaben	280 - 2781	ND
Etofenprox	47 - 2803	ND		Spinosad A	34 - 2029	ND
Etoxazole	280 - 2786	ND		Spinosad D	69 - 732	ND
Fenoxycarb	44 - 2739	ND		Spiromesifen	258 - 2788	ND
Fipronil	49 - 2721	ND		Spirotetramat	288 - 2748	ND
Flonicamid	54 - 2780	ND		Spiroxamine 1	22 - 1224	ND
Fludioxonil	281 - 2833	ND		Spiroxamine 2	28 - 1503	ND
Hexythiazox	46 - 2797	ND		Tebuconazole	315 - 2686	ND
Imazalil	281 - 2752	ND		Thiacloprid	46 - 2748	ND
Imidacloprid	47 - 2808	ND		Thiamethoxam	48 - 2750	ND
Kresoxim-methyl	48 - 2748	ND		Trifloxystrobin	52 - 2734	ND

Final Approval

	Judith Marquez 24Jul2025 08:10:00 AM MDT		Sam Smith 24Jul2025 08:13:00 AM MDT
PREPARED BY / DATE		APPROVED BY / DATE	

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Residual Solvents

Test ID: T000308462

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1675	ND	
Butanes (Isobutane, n-Butane)	149 - 2982	ND	
Methanol	65 - 1297	ND	
Pentane	78 - 1570	ND	
Ethanol	84 - 1688	>1688	
Acetone	94 - 1872	ND	
Isopropyl Alcohol	97 - 1935	ND	
Hexane	6 - 115	ND	
Ethyl Acetate	95 - 1905	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	89 - 1771	ND	
Toluene	17 - 347	ND	
Xylenes (m,p,o-Xylenes)	125 - 2507	ND	

Final ApprovalJudith Marquez
25Jul2025
12:23:00 PM MDT

PREPARED BY / DATE

Sam Smith
25Jul2025
12:26:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/b40d3068-93b3-4719-a222-4c3be17f2279>**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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