

Prepared for:
Nuleaf Naturals
1550 Larimer St #964
Denver, CO USA 80202

D524

Batch ID or Lot Number: LB-O-60683	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 23Jun2025	Started: 11Jun2025	Received: 11Jun2025	

Microbial Contaminants - Colorado Compliance

Test ID: T000306566
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	Amendment to T000306566, issued 16Jun2025, to correct sample name and batch ID. 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
23Jun2025
03:23:00 PM MDT
PREPARED BY / DATE


Brett Hudson
23Jun2025
03:43:00 PM MDT
APPROVED BY / DATE

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Pesticides

Test ID: T000306565

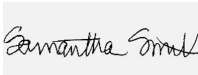
Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)
Abamectin	389 - 2670	ND
Acephate	46 - 2787	ND
Acetamiprid	42 - 2739	ND
Azoxystrobin	43 - 2755	ND
Bifenazate	39 - 2760	ND
Boscalid	42 - 2727	ND
Carbaryl	42 - 2748	ND
Carbofuran	44 - 2733	ND
Chlorantraniliprole	39 - 2719	ND
Chlorpyrifos	34 - 2761	ND
Clofentezine	297 - 2769	ND
Diazinon	285 - 2769	ND
Dichlorvos	278 - 2794	ND
Dimethoate	43 - 2775	ND
E-Fenpyroximate	284 - 2724	ND
Etofenprox	39 - 2727	ND
Etoxazole	288 - 2708	ND
Fenoxycarb	1 - 2797	ND
Fipronil	7 - 2794	ND
Flonicamid	38 - 2820	ND
Fludioxonil	317 - 2758	ND
Hexythiazox	41 - 2726	ND
Imazalil	296 - 2793	ND
Imidacloprid	44 - 2819	ND
Kresoxim-methyl	43 - 2798	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	296 - 2803	ND
Metalaxyl	41 - 2745	ND
Methiocarb	45 - 2729	ND
Methomyl	42 - 2795	ND
MGK 264 1	163 - 1704	ND
MGK 264 2	118 - 1092	ND
Myclobutanil	47 - 2680	ND
Naled	42 - 2715	ND
Oxamyl	44 - 2752	ND
Paclobutrazol	46 - 2715	ND
Permethrin	286 - 2776	ND
Phosmet	43 - 2757	ND
Prophos	319 - 2718	ND
Propoxur	42 - 2746	ND
Pyridaben	284 - 2697	ND
Spinosad A	30 - 2028	ND
Spinosad D	72 - 704	ND
Spiromesifen	278 - 2686	ND
Spirotetramat	295 - 2708	ND
Spiroxamine 1	20 - 1197	ND
Spiroxamine 2	26 - 1501	ND
Tebuconazole	313 - 2737	ND
Thiacloprid	43 - 2761	ND
Thiamethoxam	43 - 2786	ND
Trifloxystrobin	42 - 2724	ND

Final Approval


Judith Marquez
23Jun2025
03:19:00 PM MDT
PREPARED BY / DATE


Sam Smith
23Jun2025
03:39:00 PM MDT
APPROVED BY / DATE

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Cannabinoids

Test ID: T000306564

Methods: TM14 (HPLC-DAD)

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.056	0.166	2.260	2.40	Amendment to T000306564, issued 13Jun2025, to correct sample name and batch ID. Density = 0.945g/mL
Cannabichromenic Acid (CBCA)	0.052	0.152	ND	ND	
Cannabidiol (CBD)	0.147	0.496	63.280	67.00	
Cannabidiolic Acid (CBDA)	0.151	0.508	1.460	1.50	
Cannabidivarin (CBDV)	0.035	0.117	0.290	0.30	
Cannabidivarinic Acid (CBDVA)	0.063	0.212	ND	ND	
Cannabigerol (CBG)	0.032	0.094	1.140	1.20	
Cannabigerolic Acid (CBGA)	0.134	0.395	ND	ND	
Cannabinol (CBN)	0.042	0.123	<LOQ	<LOQ	
Cannabinolic Acid (CBNA)	0.091	0.270	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.160	0.471	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.145	0.427	2.000	2.10	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.128	0.379	ND	ND	
Tetrahydrocannabivarin (THCV)	0.029	0.086	0.100	0.10	
Tetrahydrocannabivarinic Acid (THCVA)	0.113	0.334	ND	ND	
Total Cannabinoids			70.530	74.60	
Total Potential THC			2.000	2.10	
Total Potential CBD			64.560	68.32	

Final Approval

 Judith Marquez
23Jun2025
03:16:00 PM MDT

PREPARED BY / DATE

 Sam Smith
23Jun2025
03:36:00 PM MDT

APPROVED BY / DATE

Heavy Metals - Colorado Compliance

Test ID: T000306567

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.17 - 16.98	ND	Amendment to T000306567, issued 13Jun2025, to correct sample name and batch ID.
Cadmium	0.05 - 4.58	ND	
Mercury	0.05 - 4.65	ND	
Lead	0.25 - 24.76	ND	

Final Approval

 Judith Marquez
23Jun2025
03:28:00 PM MDT

PREPARED BY / DATE

 Sam Smith
23Jun2025
03:46:00 PM MDT

APPROVED BY / DATE

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**Mycotoxins - Colorado
Compliance**

Test ID: T000306569
Methods: TM18 (UHPLC-QQQ
LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.80 - 135.44	ND	Amendment to T000306569, issued 18Jun2025, to correct sample name and batch ID. N/A
Aflatoxin B1	0.93 - 33.21	ND	
Aflatoxin B2	0.90 - 33.21	ND	
Aflatoxin G1	1.03 - 33.50	ND	
Aflatoxin G2	0.93 - 33.40	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval


Judith Marquez
23Jun2025
03:35:00 PM MDT
PREPARED BY / DATE


Sam Smith
23Jun2025
03:51:00 PM MDT
APPROVED BY / DATE

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Residual Solvents

Test ID: T000306568

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	82 - 1635	ND	Amendment to T000306568, issued 13Jun2025, to correct sample name and batch ID.
Butanes (Isobutane, n-Butane)	153 - 3051	ND	
Methanol	62 - 1235	ND	
Pentane	82 - 1632	ND	
Ethanol	85 - 1703	ND	
Acetone	95 - 1899	ND	
Isopropyl Alcohol	97 - 1931	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	96 - 1916	ND	
Benzene	0.2 - 3.8	ND	
Heptanes	90 - 1806	ND	
Toluene	17 - 345	ND	
Xylenes (m,p,o-Xylenes)	123 - 2460	ND	

Final Approval
Judith Marquez
23Jun2025
03:32:00 PM MDT

PREPARED BY / DATE


Sam Smith
23Jun2025
03:48:00 PM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/348cf82a-2863-410e-98f8-ec66bbe535b4>**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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