

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

NuLeaf Naturals Multi Oil Tincture

Batch ID or Lot Number: M517	Test, Test ID and Methods: Various	Matrix: Finished Product	Page 1 of 5
Reported: 06May2025	Started: 05May2025	Received: 05May2025	

**Residual Solvents -
Colorado Compliance**

Test ID: T000304426

Methods: TM04 (GC-MS): Residual

Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	92 - 1835	ND	
Butanes (Isobutane, n-Butane)	175 - 3509	ND	
Methanol	58 - 1162	ND	
Pentane	89 - 1773	ND	
Ethanol	93 - 1858	ND	
Acetone	92 - 1844	ND	
Isopropyl Alcohol	96 - 1912	ND	
Hexane	6 - 113	ND	
Ethyl Acetate	95 - 1902	ND	
Benzene	0.2 - 3.7	ND	
Heptanes	92 - 1839	ND	
Toluene	17 - 338	ND	
Xylenes (m,p,o-Xylenes)	121 - 2422	ND	

Final Approval

 Judith Marquez
06May2025
09:15:00 AM MDT

PREPARED BY / DATE

 Sam Smith
06May2025
09:18:00 AM MDT

APPROVED BY / DATE

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Pesticides

Test ID: T000304423

Methods: TM17

(LC-QQ LC MS/MS)	Dynamic Range (ppb)	Result (ppb)
Abamectin	338 - 2694	ND
Acephate	5 - 2753	ND
Acetamiprid	42 - 2695	ND
Azoxystrobin	46 - 2720	ND
Bifenazate	43 - 2730	ND
Boscalid	45 - 2729	ND
Carbaryl	42 - 2701	ND
Carbofuran	43 - 2702	ND
Chlorantraniliprole	42 - 2746	ND
Chlorpyrifos	37 - 2734	ND
Clofentezine	303 - 2709	ND
Diazinon	316 - 2718	ND
Dichlorvos	308 - 2734	ND
Dimethoate	41 - 2708	ND
E-Fenpyroximate	300 - 2724	ND
Etofenprox	39 - 2735	ND
Etoxazole	299 - 2647	ND
Fenoxycarb	40 - 2720	ND
Fipronil	41 - 2707	ND
Flonicamid	50 - 2806	ND
Fludioxonil	303 - 2781	ND
Hexythiazox	38 - 2750	ND
Imazalil	302 - 2762	ND
Imidacloprid	43 - 2738	ND
Kresoxim-methyl	44 - 2762	ND

	Dynamic Range (ppb)	Result (ppb)
Malathion	308 - 2713	ND
Metalaxyl	43 - 2730	ND
Methiocarb	42 - 2718	ND
Methomyl	39 - 2794	ND
MGK 264 1	191 - 1595	ND
MGK 264 2	110 - 1096	ND
Myclobutanil	46 - 2700	ND
Naled	44 - 2683	ND
Oxamyl	40 - 2756	ND
Paclobutrazol	43 - 2699	ND
Permethrin	299 - 2750	ND
Phosmet	45 - 2572	ND
Prophos	288 - 2756	ND
Propoxur	43 - 2718	ND
Pyridaben	313 - 2758	ND
Spinosad A	32 - 2090	ND
Spinosad D	73 - 661	ND
Spiromesifen	279 - 2732	ND
Spirotetramat	324 - 2765	ND
Spiroxamine 1	16 - 1022	ND
Spiroxamine 2	25 - 1606	ND
Tebuconazole	326 - 2720	ND
Thiacloprid	43 - 2744	ND
Thiamethoxam	40 - 2727	ND
Trifloxystrobin	43 - 2705	ND

Final Approval


Judith Marquez
07May2025
11:11:00 AM MDT
PREPARED BY / DATE


Sam Smith
07May2025
01:24:00 PM MDT
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Cannabinoids - Colorado Compliance

Test ID: T000304422

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

Cannabinoid Analysis

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.065	0.216	14.765	16.05	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.059	0.197	ND	ND	
Cannabidiol (CBD)	0.191	0.546	14.608	15.88	
Cannabidiolic Acid (CBDA)	0.196	0.560	ND	ND	
Cannabidivarin (CBDV)	0.045	0.129	0.171	0.19	
Cannabidivarinic Acid (CBDVA)	0.082	0.233	ND	ND	
Cannabigerol (CBG)	0.037	0.123	16.051	17.45	
Cannabigerolic Acid (CBGA)	0.154	0.512	ND	ND	
Cannabinol (CBN)	0.048	0.160	14.046	15.27	
Cannabinolic Acid (CBNA)	0.105	0.350	<LOQ	<LOQ	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.184	0.610	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.167	0.554	1.107	1.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.148	0.491	ND	ND	
Tetrahydrocannabivarin (THCV)	0.034	0.111	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.130	0.433	ND	ND	
Total Cannabinoids			60.748	66.04	
Total Potential THC			1.107	1.20	
Total Potential CBD			14.608	15.88	

Final Approval



Judith Marquez
07May2025
01:39:00 PM MDT

PREPARED BY / DATE



Sam Smith
07May2025
01:49:00 PM MDT

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Mycotoxins - Colorado

Compliance

Test ID: T000304427

Methods: TM18 (UHPLC-QQQ

LCMS/MS): Mycotoxins

	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	4.79 - 126.85	ND	N/A
Aflatoxin B1	1.00 - 31.76	ND	
Aflatoxin B2	1.06 - 31.60	ND	
Aflatoxin G1	1.24 - 31.04	ND	
Aflatoxin G2	1.37 - 32.10	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Judith Marquez
08May2025
10:34:00 AM MDT

PREPARED BY / DATE



Sam Smith
08May2025
10:40:00 AM MDT

APPROVED BY / DATE

Heavy Metals -

Colorado Compliance

Test ID: T000304425

Methods: TM19 (ICP-MS): Heavy

Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 3.88	ND	
Cadmium	0.04 - 4.16	ND	
Mercury	0.04 - 4.35	ND	
Lead	0.04 - 4.22	ND	

Final Approval



Judith Marquez
08May2025
12:27:00 PM MDT

PREPARED BY / DATE



Sam Smith
08May2025
12:30:00 PM MDT

APPROVED BY / DATE

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Microbial**Contaminants -****Colorado Compliance**

Test ID: T000304424

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 ApprovalNora Langer
08May2025
11:06:00 AM MDTAimee Lowe
08May2025
11:33:00 AM MDT

PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/a0bdcac1-ace6-49f1-8192-5bf2316a498e>**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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