

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0233

Batch ID or Lot Number: C307	Test: Potency	Reported: 17Feb2023	USDA License: N/A
Matrix: Solution	Test ID: T000235779	Started: 16Feb2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 15Feb2023	Status: N/A

Cannabinoids


	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.201	0.636	57.360	62.30	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.183	0.581	ND	ND	
Cannabidiol (CBD)	0.606	1.747	2.160	2.30	
Cannabidiolic Acid (CBDA)	0.622	1.791	ND	ND	
Cannabidivarin (CBDV)	0.143	0.413	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.259	0.747	ND	ND	
Cannabigerol (CBG)	0.114	0.361	1.960	2.10	
Cannabigerolic Acid (CBGA)	0.476	1.509	ND	ND	
Cannabinol (CBN)	0.149	0.471	2.010	2.20	
Cannabinolic Acid (CBNA)	0.325	1.029	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.567	1.797	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.515	1.632	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.456	1.446	ND	ND	
Tetrahydrocannabivarin (THCV)	0.104	0.328	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.402	1.276	ND	ND	
Total Cannabinoids			63.490	68.90	
Total Potential THC			0.000	0.00	
Total Potential CBD			2.160	2.30	

Final Approval



Karen Winternheimer
17Feb2023
11:33:00 AM MST

PREPARED BY / DATE



Sam Smith
17Feb2023
11:34:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ddc2d3fc-8d15-408c-8001-b4544b6d3bf7>

Definitions

% = % (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)).

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 Accredited by A2LA.



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Prepared for:

NULEAF NATURALS


1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0233

Batch ID or Lot Number: C307	Test: Heavy Metals	Reported: 17Feb2023	USDA License: NA
Matrix: Unit	Test ID: T000235782	Started: 16Feb2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 15Feb2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.89	ND	
Cadmium	0.05 - 4.74	ND	
Mercury	0.04 - 4.30	ND	
Lead	0.04 - 3.87	ND	

Final Approval



Sam Smith
17Feb2023
01:27:00 PM MST

PREPARED BY / DATE



Karen Winternheimer
17Feb2023
01:32:00 PM MST

APPROVED BY / DATE



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Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202


B403-0233

Batch ID or Lot Number: C307	Test: Microbial Contaminants	Reported: 20Feb2023	USDA License: NA
Matrix: Finished Product	Test ID: T000235781	Started: 15Feb2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 15Feb2023	Status: NA

Microbial Contaminants

Contaminants	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



Brianne Maillot
19Feb2023
04:22:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright
20Feb2023
09:49:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/a925b4d3-fcdf-4d4b-91a3-7770ea17fd84>

Definitions

* 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
CFU/g = Colony Forming Units per Gram, LOD = Limit of Detection
ULOQ = Upper Limit of Quantitation, LLOQ = Lower Limit of Quantitation
STEC = Shiga Toxin-Producing E. coli

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Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202


B403-0233

Batch ID or Lot Number: C307	Test: Pesticides	Reported: 17Feb2023	USDA License: NA
Matrix: Concentrate	Test ID: T000235780	Started: 16Feb2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 15Feb2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	297 - 2792	ND	Malathion	302 - 2702	ND
Acephate	41 - 2796	ND	Metalaxyl	41 - 2735	ND
Acetamiprid	44 - 2777	ND	Methiocarb	42 - 2747	ND
Azoxystrobin	45 - 2726	ND	Methomyl	40 - 2767	ND
Bifenazate	41 - 2722	ND	MGK 264 1	169 - 1608	ND
Boscalid	41 - 2792	ND	MGK 264 2	110 - 1130	ND
Carbaryl	41 - 2718	ND	Myclobutanil	40 - 2752	ND
Carbofuran	45 - 2698	ND	Naled	44 - 2720	ND
Chlorantraniliprole	41 - 2742	ND	Oxamyl	43 - 2765	ND
Chlorpyrifos	38 - 2737	ND	Pacllobutrazol	44 - 2698	ND
Clofentezine	273 - 2731	ND	Permethrin	288 - 2744	ND
Diazinon	291 - 2730	ND	Phosmet	42 - 2720	ND
Dichlorvos	263 - 2800	ND	Prophos	295 - 2742	ND
Dimethoate	41 - 2748	ND	Propoxur	44 - 2713	ND
E-Fenpyroximate	294 - 2737	ND	Pyridaben	310 - 2696	ND
Etofenprox	44 - 2698	ND	Spinosad A	35 - 2226	ND
Etoxazole	309 - 2713	ND	Spinosad D	52 - 493	ND
Fenoxycarb	45 - 2730	ND	Spiromesifen	285 - 2749	ND
Fipronil	42 - 2729	ND	Spirotetramat	289 - 2741	ND
Flonicamid	50 - 2770	ND	Spiroxamine 1	18 - 1159	ND
Fludioxonil	307 - 2813	ND	Spiroxamine 2	4 - 1599	ND
Hexythiazox	42 - 2732	ND	Tebuconazole	289 - 2696	ND
Imazalil	291 - 2750	ND	Thiacloprid	43 - 2750	ND
Imidacloprid	43 - 2771	ND	Thiamethoxam	41 - 2792	ND
Kresoxim-methyl	40 - 2749	ND	Trifloxystrobin	46 - 2706	ND

Final Approval



Karen Winternheimer
17Feb2023
01:56:00 PM MST

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Sam Smith
17Feb2023
01:59:00 PM MST

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<https://results.botanacor.com/api/v1/coas/uuid/37e180aa-ca88-4bd4-8104-1daddf32ba06>

Definitions

ND = None Detected (defined by dynamic range of the method)
Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range
ppb = Parts Per Billion

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Prepared for:
NULEAF NATURALS


1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0233

Batch ID or Lot Number: C307	Test: Residual Solvents	Reported: 19Feb2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000235783	Started: 17Feb2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 15Feb2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	97 - 1949	ND	
Butanes (Isobutane, n-Butane)	201 - 4029	ND	
Methanol	62 - 1234	ND	
Pentane	100 - 1991	ND	
Ethanol	97 - 1942	ND	
Acetone	98 - 1961	ND	
Isopropyl Alcohol	100 - 1993	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	102 - 2042	ND	
Benzene	0.2 - 4.0	ND	
Heptanes	98 - 1952	ND	
Toluene	18 - 354	ND	
Xylenes (m,p,o-Xylenes)	131 - 2618	ND	

Final Approval



Karen Winternheimer
19Feb2023
08:55:00 AM MST

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Sam Smith
19Feb2023
08:58:00 AM MST

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Definitions

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Dynamic Range = Limit of Quantitation (LOQ) through Upper Limit of Method Range

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Prepared for:
NULEAF NATURALS


1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0233

Batch ID or Lot Number: C307	Test: Mycotoxins	Reported: 17Feb2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000235784	Started: 16Feb2023	Sampler ID: N/A
	Method(s): TM18 (UHPLC-QQQ LCMS/MS): Mycotoxins	Received: 15Feb2023	Status: Active

Mycotoxins	Dynamic Range (ppb)	Result (ppb)	Notes
Ochratoxin A	2.14 - 138.66	ND	N/A
Aflatoxin B1	0.59 - 33.98	ND	
Aflatoxin B2	0.63 - 33.95	ND	
Aflatoxin G1	0.59 - 34.41	ND	
Aflatoxin G2	0.66 - 34.54	ND	
Total Aflatoxins (B1, B2, G1, and G2)		ND	

Final Approval



Sam Smith
17Feb2023
06:47:00 AM MST

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Karen Winternheimer
17Feb2023
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Definitions

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