

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202


B403-0235

Batch ID or Lot Number: G310	Test: Potency	Reported: 13Mar2023	USDA License: N/A
Matrix: Solution	Test ID: T000238123	Started: 10Mar2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 09Mar2023	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.202	0.588	1.990	2.20	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.185	0.538	ND	ND	
Cannabidiol (CBD)	0.558	1.569	2.350	2.60	
Cannabidiolic Acid (CBDA)	0.572	1.609	ND	ND	
Cannabidivarin (CBDV)	0.132	0.371	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.239	0.671	ND	ND	
Cannabigerol (CBG)	0.115	0.334	58.900	64.00	
Cannabigerolic Acid (CBGA)	0.479	1.397	ND	ND	
Cannabinol (CBN)	0.149	0.436	2.110	2.30	
Cannabinolic Acid (CBNA)	0.327	0.953	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.571	1.664	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.518	1.511	1.600	1.70	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.459	1.339	ND	ND	
Tetrahydrocannabivarin (THCV)	0.104	0.304	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.405	1.181	ND	ND	
Total Cannabinoids			66.950	72.80	
Total Potential THC			1.600	1.70	
Total Potential CBD			2.350	2.60	

Final Approval


Sam Smith
13Mar2023
10:16:00 AM MDT
PREPARED BY / DATE


Karen Winternheimer
13Mar2023
10:21:00 AM MDT
APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/f4287889-dba8-46e8-b0cd-3476a857e849>

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

B403-0235

Batch ID or Lot Number: G310	Test: Heavy Metals	Reported: 14Mar2023	USDA License: NA
Matrix: Unit	Test ID: T000238126	Started: 14Mar2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 09Mar2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.37	ND	
Cadmium	0.04 - 4.41	ND	
Mercury	0.04 - 4.03	ND	
Lead	0.04 - 4.32	ND	

Final Approval



Sam Smith
14Mar2023
02:41:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
14Mar2023
02:44:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/bafecef2-6efc-4f74-8118-744c8fe90907>

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

B403-0235

Batch ID or Lot Number: G310	Test: Microbial Contaminants	Reported: 13Mar2023	USDA License: NA
Matrix: Finished Product	Test ID: T000238125	Started: 02Mar2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 09Mar2023	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



Eden Thompson-Wright
13Mar2023
04:12:00 PM MDT



Brett Hudson
13Mar2023
05:56:00 PM MDT



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APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/f1261775-1344-41c6-b8f5-f0c95584165d>

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

B403-0235

Batch ID or Lot Number: G310	Test: Pesticides	Reported: 17Mar2023	USDA License: NA
Matrix: Concentrate	Test ID: T000238124	Started: 15Mar2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 09Mar2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	346 - 2771	ND	Malathion	302 - 2721	ND
Acephate	43 - 2762	ND	Metalaxyl	47 - 2729	ND
Acetamiprid	42 - 2731	ND	Methiocarb	44 - 2780	ND
Azoxystrobin	45 - 2755	ND	Methomyl	41 - 2736	ND
Bifenazate	47 - 2752	ND	MGK 264 1	168 - 1665	ND
Boscalid	40 - 2797	ND	MGK 264 2	119 - 1123	ND
Carbaryl	43 - 2752	ND	Myclobutanil	51 - 2791	ND
Carbofuran	43 - 2748	ND	Naled	48 - 2751	ND
Chlorantraniliprole	44 - 2821	ND	Oxamyl	42 - 2737	ND
Chlorpyrifos	46 - 2751	ND	Pacllobutrazol	43 - 2747	ND
Clofentezine	279 - 2777	ND	Permethrin	273 - 2805	ND
Diazinon	280 - 2744	ND	Phosmet	41 - 2737	ND
Dichlorvos	242 - 2766	ND	Prophos	306 - 2757	ND
Dimethoate	43 - 2719	ND	Propoxur	44 - 2744	ND
E-Fenpyroximate	285 - 2726	ND	Pyridaben	298 - 2741	ND
Etofenprox	45 - 2804	ND	Spinosad A	34 - 2266	ND
Etoxazole	296 - 2715	ND	Spinosad D	51 - 495	ND
Fenoxycarb	44 - 2760	ND	Spiromesifen	287 - 2712	ND
Fipronil	50 - 2786	ND	Spirotetramat	273 - 2768	ND
Flonicamid	54 - 2797	ND	Spiroxamine 1	18 - 1190	ND
Fludioxonil	321 - 2737	ND	Spiroxamine 2	25 - 1568	ND
Hexythiazox	42 - 2718	ND	Tebuconazole	295 - 2754	ND
Imazalil	293 - 2758	ND	Thiacloprid	42 - 2730	ND
Imidacloprid	47 - 2711	ND	Thiamethoxam	43 - 2729	ND
Kresoxim-methyl	23 - 2792	ND	Trifloxystrobin	44 - 2761	ND

Final Approval



Karen Winternheimer
17Mar2023
07:43:00 AM MDT

PREPARED BY / DATE



Sam Smith
17Mar2023
07:45:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/cec2edfe-d2dc-422a-af02-d7bd1125b02b>

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

B403-0235

Batch ID or Lot Number: G310	Test: Residual Solvents	Reported: 14Mar2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000238127	Started: 14Mar2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 09Mar2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1881	ND	
Butanes (Isobutane, n-Butane)	187 - 3746	ND	
Methanol	58 - 1165	ND	
Pentane	97 - 1948	ND	
Ethanol	99 - 1979	ND	
Acetone	98 - 1964	ND	
Isopropyl Alcohol	102 - 2035	ND	
Hexane	6 - 116	ND	
Ethyl Acetate	98 - 1954	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	100 - 1996	ND	
Toluene	18 - 352	ND	
Xylenes (m,p,o-Xylenes)	131 - 2628	ND	

Final Approval



Sam Smith
14Mar2023
05:19:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
14Mar2023
05:23:00 PM MDT

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Definitions

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