

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0407

Batch ID or Lot Number: 9315	Test: Potency	Reported: 13Apr2023	USDA License: N/A
Matrix: Solution	Test ID: T000241094	Started: 12Apr2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD): Potency - Broad Spectrum Analysis, 0.01% THC	Received: 11Apr2023	Status: Active

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.069	0.175	0.500	0.54	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.063	0.160	ND	ND	
Cannabidiol (CBD)	0.186	0.474	0.650	0.71	
Cannabidiolic Acid (CBDA)	0.191	0.486	ND	ND	
Cannabidivarin (CBDV)	0.044	0.112	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.079	0.203	ND	ND	
Cannabigerol (CBG)	0.039	0.099	0.556	0.60	
Cannabigerolic Acid (CBGA)	0.164	0.415	ND	ND	
Cannabinol (CBN)	0.051	0.130	0.571	0.62	
Cannabinolic Acid (CBNA)	0.112	0.283	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.195	0.495	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.030	0.075	2.413	2.62	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.026	0.066	ND	ND	
Tetrahydrocannabivarin (THCV)	0.036	0.090	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.139	0.351	ND	ND	
Total Cannabinoids			4.690	5.09	
Total Potential THC			2.413	2.62	
Total Potential CBD			0.650	0.71	

Final ApprovalKaren Winternheimer
13Apr2023
09:45:00 AM MDT

PREPARED BY / DATE

Sam Smith
13Apr2023
09:46:00 AM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/65c7a32a-0780-49a9-a1d4-d061a5b60b9b>**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.



Cert #4329.02

65c7a32a078049a9a1d4d061a5b60b9b.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0407

Batch ID or Lot Number: 9315	Test: Heavy Metals	Reported: 14Apr2023	USDA License: NA
Matrix: Unit	Test ID: T000241097	Started: 12Apr2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 11Apr2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.08	ND	
Cadmium	0.04 - 4.19	ND	
Mercury	0.04 - 4.23	ND	
Lead	0.04 - 4.19	ND	

Final Approval



Sam Smith
14Apr2023
10:48:00 AM MDT

PREPARED BY / DATE



Karen Winternheimer
14Apr2023
10:51:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/76741376-47f0-4057-8288-90dd77304ed1>

Definitions

ND = None Detected (defined by dynamic range of the method)

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

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.



Cert #4329.02

7674137647f04057828890dd77304ed1.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0407

Batch ID or Lot Number: 9315	Test: Residual Solvents	Reported: 17Apr2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000241098	Started: 14Apr2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 11Apr2023	Status: Active

Residual Solvents

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	93 - 1853	ND	
Butanes (Isobutane, n-Butane)	188 - 3757	ND	
Methanol	55 - 1103	ND	
Pentane	94 - 1877	ND	
Ethanol	96 - 1914	ND	
Acetone	92 - 1841	ND	
Isopropyl Alcohol	95 - 1896	ND	
Hexane	6 - 112	ND	
Ethyl Acetate	93 - 1853	ND	
Benzene	0.2 - 3.5	ND	
Heptanes	95 - 1892	ND	
Toluene	17 - 335	ND	
Xylenes (m,p,o-Xylenes)	120 - 2407	ND	

Final Approval



Sam Smith
17Apr2023
01:29:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
17Apr2023
01:28:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/ec042506-90bd-483a-8e62-6b011255acf7>

Definitions

ND = None Detected (defined by dynamic range of the method)

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

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.



Cert #4329.02

ec04250690bd483a8e626b011255acf7.1

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0407

Batch ID or Lot Number: 9315	Test: Pesticides	Reported: 18Apr2023	USDA License: NA
Matrix: Concentrate	Test ID: T000241095	Started: 14Apr2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 11Apr2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	295 - 2726	ND
Acephate	41 - 2825	ND
Acetamiprid	43 - 2738	ND
Azoxystrobin	48 - 2711	ND
Bifenazate	43 - 2711	ND
Boscalid	44 - 2709	ND
Carbaryl	38 - 2746	ND
Carbofuran	42 - 2706	ND
Chlorantraniliprole	55 - 2703	ND
Chlorpyrifos	54 - 2688	ND
Clofentezine	264 - 2774	ND
Diazinon	284 - 2718	ND
Dichlorvos	306 - 2787	ND
Dimethoate	40 - 2738	ND
E-Fenpyroximate	290 - 2765	ND
Etofenprox	44 - 2719	ND
Etoxazole	302 - 2721	ND
Fenoxycarb	46 - 2745	ND
Fipronil	64 - 2735	ND
Flonicamid	47 - 2809	ND
Fludioxonil	306 - 2723	ND
Hexythiazox	43 - 2682	ND
Imazalil	276 - 2754	ND
Imidacloprid	40 - 2803	ND
Kresoxim-methyl	21 - 2722	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	303 - 2721	ND
Metalaxyl	44 - 2746	ND
Methiocarb	46 - 2692	ND
Methomyl	40 - 2773	ND
MGK 264 1	167 - 1686	ND
MGK 264 2	106 - 1093	ND
Myclobutanil	52 - 2693	ND
Naled	44 - 2751	ND
Oxamyl	41 - 2766	ND
Paclobutrazol	45 - 2721	ND
Permethrin	300 - 2662	ND
Phosmet	37 - 2698	ND
Prophos	292 - 2697	ND
Propoxur	43 - 2718	ND
Pyridaben	297 - 2710	ND
Spinosad A	32 - 2076	ND
Spinosad D	66 - 666	ND
Spiromesifen	290 - 2737	ND
Spirotetramat	268 - 2737	ND
Spiroxamine 1	20 - 1191	ND
Spiroxamine 2	26 - 1510	ND
Tebuconazole	286 - 2739	ND
Thiacloprid	41 - 2724	ND
Thiamethoxam	42 - 2764	ND
Trifloxystrobin	43 - 2704	ND

Final Approval



Sam Smith
19Apr2023
06:08:00 PM MDT

PREPARED BY / DATE



Karen Winternheimer
19Apr2023
06:11:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/66290727-8ccf4193-a988-4bd6d78e055c>

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

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.



Cert #4329.02

662907278ccf4193a9884bd6d78e055c.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0407

Batch ID or Lot Number: 9315	Test: Microbial Contaminants	Reported: 14Apr2023	USDA License: NA
Matrix: Finished Product	Test ID: T000241096	Started: 11Apr2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 11Apr2023	Status: NA

Microbial

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



Brett Hudson
14Apr2023
12:38:00 PM MDT

PREPARED BY / DATE



Eden Thompson-Wright
14Apr2023
03:45:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/7e432621-3dbd-47ee-ae27-038e12201e78>

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

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.



Cert #4329.02

7e4326213dbd47eeae27038e12201e78.1