

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0236

Batch ID or Lot Number: M302	Test: Potency	Reported: 18Jan2023	USDA License: N/A
Matrix: Solution	Test ID: T000232971	Started: 18Jan2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 13Jan2023	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.108	0.322	14.030	15.30	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.098	0.295	ND	ND	
Cannabidiol (CBD)	0.278	0.870	15.270	16.60	
Cannabidiolic Acid (CBDA)	0.285	0.892	ND	ND	
Cannabidivarin (CBDV)	0.066	0.206	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.119	0.372	ND	ND	
Cannabigerol (CBG)	0.061	0.183	14.140	15.40	
Cannabigerolic Acid (CBGA)	0.255	0.765	ND	ND	
Cannabinol (CBN)	0.080	0.239	14.540	15.80	
Cannabinolic Acid (CBNA)	0.174	0.522	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.304	0.911	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.276	0.828	<LOQ	<LOQ	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.245	0.733	ND	ND	
Tetrahydrocannabivarin (THCV)	0.056	0.166	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.216	0.647	ND	ND	
Total Cannabinoids			57.980	63.10	
Total Potential THC			0.000	0.00	
Total Potential CBD			15.270	16.60	

Final ApprovalSam Smith
18Jan2023
12:44:00 PM MST

PREPARED BY / DATE

Karen Winternheimer
18Jan2023
12:50:00 PM MST

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/d0004388-8d47-4244-bf24-0449fa7585dc>**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

d0004388d474244bf240449fa7585dc.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0236

Batch ID or Lot Number: M302	Test: Heavy Metals	Reported: 19Jan2023	USDA License: NA
Matrix: Unit	Test ID: T000232974	Started: 18Jan2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 13Jan2023	Status: NA

Heavy Metals

	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.54	ND	
Cadmium	0.04 - 4.38	ND	
Mercury	0.04 - 4.37	ND	
Lead	0.05 - 5.26	ND	

Final Approval



Sam Smith
19Jan2023
10:52:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
19Jan2023
10:56:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/95bf9734-a096-464b-9336-b83640071a4f>

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

95bf9734a096464b9336b83640071a4f.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0236

Batch ID or Lot Number: M302	Test: Microbial Contaminants	Reported: 19Jan2023	USDA License: NA
Matrix: Finished Product	Test ID: T000232973	Started: 16Jan2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 13Jan2023	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	1.0×10^2 - 1.5×10^4	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10^2 CFU/g	1.0×10^3 - 1.5×10^5	None Detected	
Total Coliforms*	TM27: Culture Plating	10^1 CFU/g	1.0×10^2 - 1.5×10^4	None Detected	

Final Approval



Brianne Maillot
19Jan2023
03:06:00 PM MST



Brett Hudson
20Jan2023
05:04:00 PM MST



PREPARED BY / DATE

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/b0bf16c6-ae2d-48ed-ba4b-4c8c7b89eddf>

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: $10^2 = 100$ CFU, $10^3 = 1,000$ CFU, $10^4 = 10,000$ CFU, $10^5 = 100,000$ 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

b0bf16c6ae2d48edba4b4c8c7b89eddf.1

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

B403-0236

Batch ID or Lot Number: M302	Test: Pesticides	Reported: 20Jan2023	USDA License: NA
Matrix: Concentrate	Test ID: T000232972	Started: 19Jan2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 13Jan2023	Status: NA

Pesticides

Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	320 - 2724	ND
Acephate	43 - 2822	ND
Acetamiprid	41 - 2774	ND
Azoxystrobin	44 - 2723	ND
Bifenazate	46 - 2720	ND
Boscalid	38 - 2883	ND
Carbaryl	43 - 2739	ND
Carbofuran	42 - 2712	ND
Chlorantraniliprole	49 - 2785	ND
Chlorpyrifos	50 - 2727	ND
Clofentezine	286 - 2736	ND
Diazinon	270 - 2724	ND
Dichlorvos	280 - 2782	ND
Dimethoate	40 - 2774	ND
E-Fenpyroximate	284 - 2729	ND
Etofenprox	43 - 2709	ND
Etoxazole	295 - 2729	ND
Fenoxycarb	40 - 2754	ND
Fipronil	68 - 2730	ND
Flonicamid	55 - 2849	ND
Fludioxonil	288 - 2866	ND
Hexythiazox	45 - 2748	ND
Imazalil	251 - 2736	ND
Imidacloprid	48 - 2784	ND
Kresoxim-methyl	43 - 2766	ND

Pesticides	Dynamic Range (ppb)	Result (ppb)
Malathion	293 - 2732	ND
Metalaxyl	41 - 2751	ND
Methiocarb	45 - 2813	ND
Methomyl	39 - 2813	ND
MGK 264 1	174 - 1627	ND
MGK 264 2	116 - 1134	ND
Myclobutanil	55 - 2829	ND
Naled	48 - 2745	ND
Oxamyl	39 - 2802	ND
Paclobutrazol	50 - 2693	ND
Permethrin	166 - 2792	ND
Phosmet	39 - 2724	ND
Prophos	291 - 2829	ND
Propoxur	43 - 2732	ND
Pyridaben	295 - 2726	ND
Spinosad A	35 - 2252	ND
Spinosad D	48 - 494	ND
Spiromesifen	284 - 2752	ND
Spirotetramat	283 - 2758	ND
Spiroxamine 1	18 - 1193	ND
Spiroxamine 2	19 - 1620	ND
Tebuconazole	270 - 2766	ND
Thiacloprid	43 - 2779	ND
Thiamethoxam	34 - 2824	ND
Trifloxystrobin	42 - 2745	ND

Final Approval



Karen Winternheimer
20Jan2023
09:04:00 AM MST

PREPARED BY / DATE



Sam Smith
20Jan2023
09:08:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6964380e-2b33-48dc-bd79-837b06c03769.1>

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

6964380e2b3348dcdbd79837b06c03769.1

Prepared for:

NULEAF NATURALS

1550 LARIMER ST. #964

DENVER, CO USA 80202

B403-0236

Batch ID or Lot Number: M302	Test: Residual Solvents	Reported: 19Jan2023	USDA License: N/A
Matrix: Concentrate	Test ID: T000232975	Started: 18Jan2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 13Jan2023	Status: Active

Residual Solvents

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	102 - 2033	ND	
Butanes (Isobutane, n-Butane)	201 - 4025	ND	
Methanol	63 - 1263	ND	
Pentane	102 - 2047	ND	
Ethanol	100 - 2002	ND	
Acetone	102 - 2040	ND	
Isopropyl Alcohol	99 - 1983	ND	
Hexane	6 - 124	ND	
Ethyl Acetate	102 - 2030	ND	
Benzene	0.2 - 4.3	ND	
Heptanes	106 - 2130	ND	
Toluene	18 - 364	ND	
Xylenes (m,p,o-Xylenes)	131 - 2612	ND	

Final Approval



Sam Smith
19Jan2023
08:42:00 AM MST

PREPARED BY / DATE



Karen Winternheimer
19Jan2023
08:42:00 AM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/6ce6bfa7-1ebc-47f7-a6f2-eae7c74b2607>

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

6ce6bfa71ebc47f7a6f2eae7c74b2607.1