

Prepared for:
NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202

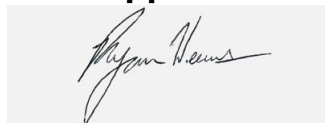
R30-BBM

Batch ID or Lot Number: M209S	Test: Potency	Reported: 22Mar2022	USDA License: N/A
Matrix: Solution	Test ID: T000196659	Started: 07Mar2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 04Mar2022	Status: N/A

Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.214	0.745	7.850	8.50	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.196	0.681	ND	ND	
Cannabidiol (CBD)	0.666	2.091	7.640	8.30	
Cannabidiolic Acid (CBDA)	0.683	2.145	ND	ND	
Cannabidivarin (CBDV)	0.157	0.495	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.285	0.895	ND	ND	
Cannabigerol (CBG)	0.122	0.423	7.750	8.40	
Cannabigerolic Acid (CBGA)	0.509	1.768	ND	ND	
Cannabinol (CBN)	0.159	0.552	7.830	8.50	
Cannabinolic Acid (CBNA)	0.347	1.206	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.606	2.107	2.260	2.50	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.551	1.913	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.488	1.695	ND	ND	
Tetrahydrocannabivarin (THCV)	0.111	0.385	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.430	1.495	ND	ND	
Total Cannabinoids			33.330	36.23	
Total Potential THC**			ND	ND	
Total Potential CBD**			7.640	8.30	

Final Approval



Ryan Weems
21Mar2022
11:22:00 AM MDT

PREPARED BY / DATE



Jacob Miller
21Mar2022
11:24:00 AM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/121a9b7a-0f7b-448d-a940-d13b34c5f2e6>

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 Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC 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 Botanacor Laboratories, LLC. ISO/ IEC 17025:2005 Accredited A2LA.



Cert #4329.02


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Prepared for:

NULEAF NATURALS1550 LARIMER ST. #964
DENVER, CO USA 80202**R30-BBM**

Batch ID or Lot Number: M209S	Test: Heavy Metals	Reported: 21Mar2022	USDA License: NA
Matrix: Unit	Test ID: T000196662	Started: 08Mar2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 04Mar2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.21	ND	Amendment to 09MAR2022 report sample T000196662 due to incorrect Batch ID in original COA. Batch ID corrected.
Cadmium	0.04 - 4.31	ND	
Mercury	0.04 - 4.17	ND	
Lead	0.04 - 4.19	ND	

Final ApprovalRyan Weems
21Mar2022
10:31:00 AM MDT

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Jacob Miller
21Mar2022
10:33:00 AM MDT

APPROVED BY / DATE

<https://results.botanacor.com/api/v1/coas/uuid/f9be171d-434f-46ae-b3ff-0a7360a6a49f>**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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NULEAF NATURALS

1550 LARIMER ST. #964
DENVER, CO USA 80202


R30-BBM

Batch ID or Lot Number: M209S	Test: Microbial Contaminants	Reported: 22Mar2022	USDA License: NA
Matrix: Finished Product	Test ID: T000196661	Started: 04Mar2022	Sampler ID: NA
	Method(s): TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Received: 04Mar2022	Status: NA

Microbial Contaminants

Microbial Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 ⁰ CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter Amendment to report T000196661 for batch ID correction, per customer request. SCH 21Mar2022 None Detected None Detected
<i>Salmonella</i>	TM25: PCR	10 ⁰ CFU/g	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



Sarah Henning
21Mar2022
11:34:00 AM MDT

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Carly Bader
22Mar2022
03:24:00 PM MDT

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e449bd44-92ab-4e1f-ac5b-f8359a8e6d34>

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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1550 LARIMER ST. #964
DENVER, CO USA 80202

R30-BBM

Batch ID or Lot Number: M209S	Test: Pesticides	Reported: 21Mar2022	USDA License: NA
Matrix: Concentrate	Test ID: T000196660	Started: 09Mar2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 04Mar2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	272 - 2555	ND	Malathion	294 - 2701	ND
Acephate	38 - 2647	ND	Metalaxyl	42 - 2777	ND
Acetamiprid	37 - 2674	ND	Methiocarb	41 - 2778	ND
Azoxystrobin	43 - 2680	ND	Methomyl	38 - 2653	ND
Bifenazate	40 - 2702	ND	MGK 264 1	169 - 1632	ND
Boscalid	54 - 2802	ND	MGK 264 2	114 - 1110	ND
Carbaryl	40 - 2714	ND	Myclobutanil	38 - 2749	ND
Carbofuran	45 - 2773	ND	Naled	49 - 2759	ND
Chlorantraniliprole	64 - 2669	ND	Oxamyl	37 - 2664	ND
Chlorpyrifos	38 - 2684	ND	Pacllobutrazol	40 - 2682	ND
Clofentezine	271 - 2731	ND	Permethrin	290 - 2726	ND
Diazinon	278 - 2719	ND	Phosmet	35 - 2691	ND
Dichlorvos	278 - 2710	ND	Prophos	276 - 2729	ND
Dimethoate	40 - 2725	ND	Propoxur	39 - 2737	ND
E-Fenpyroximate	289 - 2690	ND	Pyridaben	288 - 2670	ND
Etofenprox	42 - 2695	ND	Spinosad A	33 - 2243	ND
Etoxazole	293 - 2711	ND	Spinosad D	45 - 495	ND
Fenoxycarb	41 - 2695	ND	Spiromesifen	266 - 2680	ND
Fipronil	44 - 2702	ND	Spirotetramat	269 - 2686	ND
Flonicamid	49 - 2627	ND	Spiroxamine 1	11 - 1171	ND
Fludioxonil	285 - 2786	ND	Spiroxamine 2	22 - 1530	ND
Hexythiazox	40 - 2692	ND	Tebuconazole	279 - 2698	ND
Imazalil	254 - 2718	ND	Thiacloprid	41 - 2692	ND
Imidacloprid	44 - 2757	ND	Thiamethoxam	44 - 2756	ND
Kresoxim-methyl	52 - 2704	ND	Trifloxystrobin	42 - 2740	ND

Final Approval



Ryan Weems
21Mar2022
10:44:00 AM MDT

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Jacob Miller
21Mar2022
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APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/8b3102fe-6a4d-415e-855a-123af32cc26e>

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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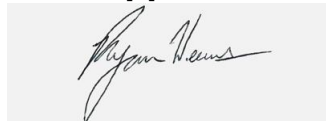
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DENVER, CO USA 80202

R30-BBM

Batch ID or Lot Number: M209S	Test: Residual Solvents	Reported: 21Mar2022	USDA License: N/A
Matrix: Concentrate	Test ID: T000196663	Started: 07Mar2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 04Mar2022	Status: N/A

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	84 - 1681	ND	Amendment to 07MAR2022 report sample T000196663 due to incorrect Batch ID in original COA. Batch ID corrected.
Butanes (Isobutane, n-Butane)	170 - 3397	ND	
Methanol	64 - 1279	ND	
Pentane	90 - 1807	ND	
Ethanol	90 - 1803	ND	
Acetone	96 - 1930	ND	
Isopropyl Alcohol	110 - 2196	ND	
Hexane	7 - 131	ND	
Ethyl Acetate	115 - 2310	ND	
Benzene	0.2 - 4.1	ND	
Heptanes	93 - 1869	ND	
Toluene	18 - 366	ND	
Xylenes (m,p,o-Xylenes)	125 - 2503	ND	

Final Approval



Ryan Weems
21Mar2022
11:12:00 AM MDT

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Jacob Miller
21Mar2022
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Definitions

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