

Prepared for:  
**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## R30-BBM

Batch ID or Lot Number: <b>M205S</b>	Test: <b>Potency</b>	Reported: <b>07Feb2022</b>	USDA License: N/A
Matrix: Solution	Test ID: T000191452	Started: 07Feb2022	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 07Feb2022	Status: N/A

Cannabinoids	LOD (mg/mL)	LOQ (mg/mL)	Result		Notes
			(mg/mL)	Result (mg/g)	
Cannabichromene (CBC)	0.173	0.564	7.710	8.40	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.158	0.516	ND	ND	
Cannabidiol (CBD)	0.454	1.576	7.560	8.20	
Cannabidiolic Acid (CBDA)	0.466	1.616	ND	ND	
Cannabidivarin (CBDV)	0.107	0.373	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.194	0.674	ND	ND	
Cannabigerol (CBG)	0.098	0.320	7.450	8.10	
Cannabigerolic Acid (CBGA)	0.410	1.339	ND	ND	
Cannabinol (CBN)	0.128	0.418	7.570	8.20	
Cannabinolic Acid (CBNA)	0.279	0.914	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.488	1.595	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.443	1.449	ND	ND	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.393	1.284	ND	ND	
Tetrahydrocannabivarin (THCV)	0.089	0.291	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.346	1.132	ND	ND	
<b>Total Cannabinoids</b>			<b>30.290</b>	<b>32.92</b>	
Total Potential THC**			ND	ND	
Total Potential CBD**			7.560	8.22	

## Final Approval



Daniel Weidensaul  
08Feb2022  
07:02:00 PM MST

PREPARED BY / DATE



Ryan Weems  
08Feb2022  
07:08:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/fa1c665b-875d-4450-bf47-bee06ade2951>

### 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.



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**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## R30-BBM

Batch ID or Lot Number: <b>M205S</b>	Test: <b>Heavy Metals</b>	Reported: <b>09Feb2022</b>	USDA License: NA
Matrix: Unit	Test ID: T000191455	Started: 08Feb2022	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 07Feb2022	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.05 - 4.50	ND	
Cadmium	0.04 - 4.25	ND	
Mercury	0.04 - 4.42	ND	
Lead	0.04 - 4.38	ND	

## Final Approval



Sam Smith  
09Feb2022  
12:44:00 PM MST

PREPARED BY / DATE



Ryan Weems  
09Feb2022  
01:00:00 PM MST

APPROVED BY / DATE



<https://results.botanacor.com/api/v1/coas/uuid/e41602ff-bd3a-4bd7-9b7c-0eabd5053dae>

### 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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DENVER, CO USA 80202


## R30-BBM

Batch ID or Lot Number: <b>M205S</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>10Feb2022</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000191454	Started: 07Feb2022	Sampler ID: NA
	Method(s): TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Received: 07Feb2022	Status: NA

## Microbial Contaminants

Microbial Contaminants	Method	LOD	Quantitative Range	Result	Notes
E. coli (STEC)	TM25: PCR	1.0 CFU/g	NA	Absent	Free from visual mold, mildew, and foreign matter None Detected None Detected
Salmonella	TM25: PCR	1.0 CFU/g	NA	Absent	
Total Yeast and Molds*	TM24: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	
Total Aerobic Count*	TM26: Culture Plating	10 <sup>2</sup> CFU/g	1.0x10 <sup>3</sup> - 1.5x10 <sup>5</sup>	None Detected	
Total Coliforms*	TM27: Culture Plating	10 <sup>1</sup> CFU/g	1.0x10 <sup>2</sup> - 1.5x10 <sup>4</sup>	None Detected	

## Final Approval



Eden Thompson-Wright  
10Feb2022  
12:47:00 PM MST

PREPARED BY / DATE



Brianne Maillot  
10Feb2022  
01:05:00 PM MST

APPROVED BY / DATE



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### 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<sup>2</sup> = 100 CFU, 10<sup>3</sup> = 1,000 CFU, 10<sup>4</sup> = 10,000 CFU, 10<sup>5</sup> = 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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DENVER, CO USA 80202

## R30-BBM

Batch ID or Lot Number: <b>M205S</b>	Test: <b>Pesticides</b>	Reported: <b>10Feb2022</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000191453	Started: 09Feb2022	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 07Feb2022	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	302 - 2763	ND	Malathion	293 - 2690	ND
Acephate	42 - 2733	ND	Metalaxyl	44 - 2705	ND
Acetamiprid	42 - 2693	ND	Methiocarb	41 - 2733	ND
Azoxystrobin	47 - 2680	ND	Methomyl	42 - 2695	ND
Bifenazate	44 - 2663	ND	MGK 264 1	168 - 1644	ND
Boscalid	39 - 2746	ND	MGK 264 2	108 - 1144	ND
Carbaryl	41 - 2719	ND	Myclobutanil	36 - 2757	ND
Carbofuran	42 - 2734	ND	Naled	50 - 2795	ND
Chlorantraniliprole	42 - 2745	ND	Oxamyl	41 - 2727	ND
Chlorpyrifos	33 - 2777	ND	Pacllobutrazol	44 - 2713	ND
Clofentezine	282 - 2732	ND	Permethrin	266 - 2766	ND
Diazinon	288 - 2712	ND	Phosmet	45 - 2681	ND
Dichlorvos	286 - 2706	ND	Prophos	293 - 2723	ND
Dimethoate	43 - 2683	ND	Propoxur	41 - 2711	ND
E-Fenpyroximate	292 - 2723	ND	Pyridaben	290 - 2772	ND
Etofenprox	41 - 2761	ND	Spinosad A	33 - 2275	ND
Etoxazole	289 - 2736	ND	Spinosad D	47 - 504	ND
Fenoxycarb	41 - 2700	ND	Spiromesifen	279 - 2764	ND
Fipronil	35 - 2642	ND	Spirotetramat	309 - 2668	ND
Flonicamid	44 - 2704	ND	Spiroxamine 1	17 - 1193	ND
Fludioxonil	308 - 2733	ND	Spiroxamine 2	23 - 1578	ND
Hexythiazox	39 - 2747	ND	Tebuconazole	283 - 2693	ND
Imazalil	274 - 2753	ND	Thiacloprid	42 - 2693	ND
Imidacloprid	42 - 2709	ND	Thiamethoxam	40 - 2690	ND
Kresoxim-methyl	47 - 2726	ND	Trifloxystrobin	43 - 2731	ND

## Final Approval



Daniel Weidensaul  
10Feb2022  
02:48:00 PM MST

PREPARED BY / DATE



Sam Smith  
10Feb2022  
02:55:00 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  
ppb = Parts Per Billion

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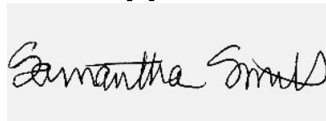
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DENVER, CO USA 80202

## R30-BBM

Batch ID or Lot Number: <b>M205S</b>	Test: <b>Residual Solvents</b>	Reported: <b>11Feb2022</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000191456	Started: 08Feb2022	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 07Feb2022	Status: N/A

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	102 - 2038	ND	
Butanes (Isobutane, n-Butane)	205 - 4090	ND	
Methanol	59 - 1177	ND	
Pentane	102 - 2046	ND	
Ethanol	85 - 1701	ND	
Acetone	101 - 2013	ND	
Isopropyl Alcohol	87 - 1736	ND	
Hexane	7 - 132	ND	
Ethyl Acetate	98 - 1958	ND	
Benzene	0.2 - 3.9	ND	
Heptanes	102 - 2034	ND	
Toluene	17 - 333	ND	
Xylenes (m,p,o-Xylenes)	106 - 2121	ND	

## Final Approval



Sam Smith  
09Feb2022  
11:20:00 AM MST

PREPARED BY / DATE



Ryan Weems  
09Feb2022  
11:22:00 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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