

Prepared for:  
**NULEAF NATURALS**

1550 LARIMER ST. #964  
DENVER, CO USA 80202

## B403-0236

Batch ID or Lot Number: <b>M308</b>	Test: <b>Potency</b>	Reported: <b>01Mar2023</b>	USDA License: N/A
Matrix: Solution	Test ID: T000236904	Started: 27Feb2023	Sampler ID: N/A
	Method(s): TM14 (HPLC-DAD)	Received: 24Feb2023	Status: N/A

## Cannabinoids

	LOD (mg/mL)	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)	Notes
Cannabichromene (CBC)	0.181	0.592	14.960	16.30	Density = 0.92g/mL
Cannabichromenic Acid (CBCA)	0.166	0.541	ND	ND	
Cannabidiol (CBD)	0.510	1.553	15.290	16.60	
Cannabidiolic Acid (CBDA)	0.523	1.593	<LOQ	<LOQ	
Cannabidivarin (CBDV)	0.121	0.367	ND	ND	
Cannabidivarinic Acid (CBDVA)	0.218	0.664	ND	ND	
Cannabigerol (CBG)	0.103	0.336	15.110	16.40	
Cannabigerolic Acid (CBGA)	0.430	1.404	ND	ND	
Cannabinol (CBN)	0.134	0.438	14.720	16.00	
Cannabinolic Acid (CBNA)	0.293	0.958	ND	ND	
Delta 8-Tetrahydrocannabinol (Delta 8-THC)	0.512	1.673	ND	ND	
Delta 9-Tetrahydrocannabinol (Delta 9-THC)	0.465	1.520	2.000	2.20	
Delta 9-Tetrahydrocannabinolic Acid (THCA-A)	0.412	1.346	ND	ND	
Tetrahydrocannabivarin (THCV)	0.094	0.306	ND	ND	
Tetrahydrocannabivarinic Acid (THCVA)	0.363	1.187	ND	ND	
<b>Total Cannabinoids</b>			<b>62.080</b>	<b>67.50</b>	
Total Potential THC			2.000	2.20	
Total Potential CBD			15.290	16.60	

## Final Approval



Karen Winternheimer  
01Mar2023  
09:03:00 AM MST

PREPARED BY / DATE



Sam Smith  
01Mar2023  
09:04:00 AM MST

APPROVED BY / DATE



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### 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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DENVER, CO USA 80202

## B403-0236

Batch ID or Lot Number: <b>M308</b>	Test: <b>Heavy Metals</b>	Reported: <b>01Mar2023</b>	USDA License: NA
Matrix: Unit	Test ID: T000236907	Started: 28Feb2023	Sampler ID: NA
	Method(s): TM19 (ICP-MS): Heavy Metals	Received: 24Feb2023	Status: NA

Heavy Metals	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.04 - 4.42	ND	
Cadmium	0.04 - 4.16	ND	
Mercury	0.04 - 4.35	ND	
Lead	0.04 - 4.25	ND	

## Final Approval

  
PREPARED BY / DATE

Sam Smith  
01Mar2023  
10:31:00 AM MST

  
APPROVED BY / DATE

Karen Winternheimer  
01Mar2023  
10:37:00 AM MST



<https://results.botanacor.com/api/v1/coas/uuid/8a38115a-440e-40e8-b096-5c4553a3c72b>

**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

### B403-0236

Batch ID or Lot Number: <b>M308</b>	Test: <b>Microbial Contaminants</b>	Reported: <b>02Mar2023</b>	USDA License: NA
Matrix: Finished Product	Test ID: T000236906	Started: 27Feb2023	Sampler ID: NA
	Method(s): TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Received: 24Feb2023	Status: NA

### Microbial

#### Contaminants

Contaminants	Method	LOD	Quantitation Range	Result	Notes
STEC	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	Free from visual mold, mildew, and foreign matter
<i>Salmonella</i>	TM25: PCR	10 <sup>0</sup> CFU/25g	NA	Absent	
Total Yeast and Mold*	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



Brett Hudson  
02Mar2023  
03:03:00 PM MST

PREPARED BY / DATE



Eden Thompson-Wright  
02Mar2023  
04:38:00 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

## B403-0236

Batch ID or Lot Number: <b>M308</b>	Test: <b>Pesticides</b>	Reported: <b>08Mar2023</b>	USDA License: NA
Matrix: Concentrate	Test ID: T000236905	Started: 07Mar2023	Sampler ID: NA
	Method(s): TM17 (LC-QQ LC MS/MS)	Received: 24Feb2023	Status: NA

Pesticides	Dynamic Range (ppb)	Result (ppb)	Pesticides	Dynamic Range (ppb)	Result (ppb)
Abamectin	274 - 2735	ND	Malathion	291 - 2753	ND
Acephate	42 - 2843	ND	Metalaxyl	42 - 2734	ND
Acetamiprid	43 - 2741	ND	Methiocarb	42 - 2774	ND
Azoxystrobin	46 - 2739	ND	Methomyl	39 - 2755	ND
Bifenazate	40 - 2717	ND	MGK 264 1	165 - 1610	ND
Boscalid	41 - 2786	ND	MGK 264 2	114 - 1142	ND
Carbaryl	40 - 2732	ND	Myclobutanil	34 - 2832	ND
Carbofuran	43 - 2708	ND	Naled	48 - 2780	ND
Chlorantraniliprole	45 - 2756	ND	Oxamyl	40 - 2760	ND
Chlorpyrifos	47 - 2688	ND	Pacllobutrazol	46 - 2691	ND
Clofentezine	284 - 2721	ND	Permethrin	284 - 2754	ND
Diazinon	271 - 2740	ND	Phosmet	38 - 2721	ND
Dichlorvos	276 - 2772	ND	Prophos	291 - 2792	ND
Dimethoate	41 - 2741	ND	Propoxur	42 - 2716	ND
E-Fenpyroximate	295 - 2714	ND	Pyridaben	295 - 2740	ND
Etofenprox	38 - 2762	ND	Spinosad A	34 - 2233	ND
Etoxazole	292 - 2691	ND	Spinosad D	47 - 490	ND
Fenoxycarb	47 - 2745	ND	Spiromesifen	267 - 2738	ND
Fipronil	56 - 2744	ND	Spirotetramat	285 - 2753	ND
Fonicamid	45 - 2756	ND	Spiroxamine 1	18 - 1195	ND
Fludioxonil	320 - 2783	ND	Spiroxamine 2	24 - 1567	ND
Hexythiazox	47 - 2702	ND	Tebuconazole	289 - 2722	ND
Imazalil	271 - 2769	ND	Thiacloprid	41 - 2735	ND
Imidacloprid	44 - 2726	ND	Thiamethoxam	40 - 2743	ND
Kresoxim-methyl	42 - 2760	ND	Trifloxystrobin	44 - 2743	ND

## Final Approval

  
Sam Smith  
08Mar2023  
08:24:00 AM MST

  
Karen Winternheimer  
08Mar2023  
08:29:00 AM MST



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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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DENVER, CO USA 80202

## B403-0236

Batch ID or Lot Number: <b>M308</b>	Test: <b>Residual Solvents</b>	Reported: <b>02Mar2023</b>	USDA License: N/A
Matrix: Concentrate	Test ID: T000236908	Started: 02Mar2023	Sampler ID: N/A
	Method(s): TM04 (GC-MS): Residual Solvents	Received: 24Feb2023	Status: Active

Residual Solvents	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	94 - 1879	ND	
Butanes (Isobutane, n-Butane)	197 - 3943	ND	
Methanol	64 - 1288	ND	
Pentane	100 - 1998	ND	
Ethanol	108 - 2154	ND	
Acetone	103 - 2062	ND	
Isopropyl Alcohol	116 - 2315	ND	
Hexane	6 - 120	ND	
Ethyl Acetate	105 - 2105	ND	
Benzene	0.2 - 4.4	ND	
Heptanes	105 - 2094	ND	
Toluene	20 - 401	ND	
Xylenes (m,p,o-Xylenes)	154 - 3085	ND	

## Final Approval



Sam Smith  
02Mar2023  
03:31:00 PM MST

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Karen Winternheimer  
02Mar2023  
03:37:00 PM MST

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### Definitions

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