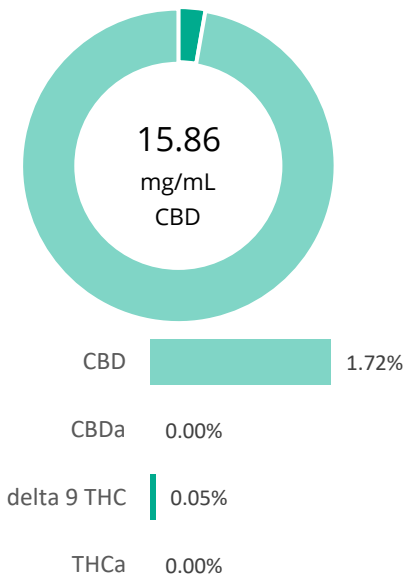


M135

<b>Batch ID:</b>	M	<b>Test ID:</b>	T000160831
<b>Type:</b>	Solution	<b>Submitted:</b>	08/30/2021 @ 09:16 AM
<b>Test:</b>	Potency	<b>Started:</b>	8/31/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	9/1/2021

## CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.38	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.43	0.45	0.5
Cannabidiolic acid (CBDA)	0.54	ND	ND
Cannabidiol (CBD)	0.53	15.86	17.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.47	ND	ND
Cannabinolic Acid (CBNA)	0.27	ND	ND
Cannabinol (CBN)	0.12	14.12	15.3
Cannabigerolic acid (CBGA)	0.39	ND	ND
Cannabigerol (CBG)	0.09	13.90	15.1
Tetrahydrocannabivarinic Acid (THCVA)	0.33	ND	ND
Tetrahydrocannabivarin (THCV)	0.09	ND	ND
Cannabidivarinic Acid (CBDVA)	0.23	ND	ND
Cannabidivarin (CBDV)	0.13	0.19	0.2
Cannabichromenic Acid (CBCA)	0.15	ND	ND
Cannabichromene (CBC)	0.17	13.40	14.6
<b>Total Cannabinoids</b>		<b>57.92</b>	<b>63.0</b>
Total Potential THC**		0.45	0.5
Total Potential CBD**		15.86	17.2

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

\* Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

\*\* Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.

$$\text{Total THC} = \text{THC} + (\text{THCa} * 0.877)$$

$$\text{Total CBD} = \text{CBD} + (\text{CBDa} * 0.877)$$

ND = None Detected (Defined by Dynamic Range of the method)

### NOTES:

Density = 0.92g/mL

## FINAL APPROVAL



 Daniel Weidensaul  
 1-Sep-2021  
 7:17 PM



 Rvan Weems  
 1-Sep-2021  
 7:20 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02


Prepared for:

**M135**
**NULEAF NATURALS**

Batch ID or Lot Number: <b>M</b>	Test: <b>Metals</b>	Reported: <b>9/1/21</b>	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Unit	Test ID: T000160834	Started: 8/31/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 08/30/2021 @ 09:16 AM	Sampler ID: N/A

**HEAVY METALS DETERMINATION**

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.042 - 4.16	ND	
Cadmium	0.043 - 4.25	ND	
Mercury	0.043 - 4.26	ND	
Lead	0.039 - 3.94	ND	


 Ryan Weems  
 1-Sep-21  
 2:38 PM

PREPARED BY / DATE


 Sam Smith  
 1-Sep-21  
 2:41 PM

APPROVED BY / DATE

**Definitions**

ND = None Detected (Defined by Dynamic Range of the method)

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M135

<b>Batch ID:</b>	M	<b>Test ID:</b>	T000160833
<b>Matrix:</b>	Finished Product	<b>Received:</b>	08/30/2021 @ 09:16 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	8/30/2021
<b>Method:</b>	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	<b>Reported:</b>	9/2/2021

## MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	LLOQ	ULOQ	Result
<b>Total Aerobic Count*</b>	TM-26 Culture Plating	10 <sup>2</sup> CFU/g	10 <sup>3</sup> CFU/g	1.5x10 <sup>5</sup> CFU/g	<b>None Detected</b>
<b>Total Coliforms*</b>	TM-27 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b>Total Yeast and Molds*</b>	TM-24 Culture Plating	10 <sup>1</sup> CFU/g	10 <sup>2</sup> CFU/g	1.5x10 <sup>4</sup> CFU/g	<b>None Detected</b>
<b><i>E. coli</i></b>	TM-28 Culture Plating	1 CFU/g	NA	NA	<b>Absent</b>
<b><i>E. coli</i> (STEC)</b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>
<b><i>Salmonella</i></b>	TM-25 PCR	1 CFU/g	NA	NA	<b>Absent</b>

\* 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

### NOTES:

Free from visual mold, mildew, and foreign matter

### DEFINITIONS:

CFU/g = Colony Forming Units per Gram.

LOD = Limit of Detection

ULOQ = Upper Limit of Quantitation

LLOQ = Lower Limit of Quantitation

## FINAL APPROVAL

*Brianne Maillot*  
 Brianne Maillot  
 9/2/2021  
 4:01:00 PM

*Tori King*  
 Tori King  
 9/2/2021  
 7:53:00 PM

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Certificate #4329.03


Prepared for:


**M135**
**NULEAF NATURALS**

Batch ID or Lot Number: <b>M</b>	Test: <b>Pesticides</b>	Reported: <b>9/3/21</b>	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Concentrate	Test ID: T000160832	Started: 9/2/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 08/30/2021 @ 09:16 AM	Sampler ID: N/A

## PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	28	ND	Fenoxycarb	22	ND	Paclobutrazol	31	ND
Acetamiprid	27	ND	Fipronil	40	ND	Permethrin	307	ND
Avermectin	411	ND	Flonicamid	36	ND	Phosmet	32	ND
Azoxystrobin	36	ND	Fludioxonil	314	ND	Prophos	295	ND
Bifenazate	31	ND	Hexythiazox	31	ND	Propoxur	29	ND
Boscalid	38	ND	Imazalil	277	ND	Pyridaben	297	ND
Carbaryl	27	ND	Imidacloprid	27	ND	Spinosad A	24	ND
Carbofuran	28	ND	Kresoxim-methyl	150	ND	Spinosad D	58	ND
Chlorantraniliprole	49	ND	Malathion	317	ND	Spiromesifen	314	ND
Chlorpyrifos	500	ND	Metalaxyl	32	ND	Spirotetramat	351	ND
Clofentezine	306	ND	Methiocarb	30	ND	Spiroxamine 1	13	ND
Diazinon	310	ND	Methomyl	27	ND	Spiroxamine 2	18	ND
Dichlorvos	286	ND	MGK 264 1	190	ND	Tebuconazole	332	ND
Dimethoate	31	ND	MGK 264 2	123	ND	Thiacloprid	27	ND
E-Fenpyroximate	266	ND	Myclobutanil	39	ND	Thiamethoxam	26	ND
Etofenprox	31	ND	Naled	33	ND	Trifloxystrobin	30	ND
Etoxazole	331	ND	Oxamyl	1500	ND			

  
 Sam Smith  
 9/3/2021  
 11:49:00 AM

  
 Karen Winternheimer  
 9/3/2021  
 11:52:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Prepared for:


**M135**
**NULEAF NATURALS**

Batch ID or Lot Number: <b>M</b>	Test: <b>Residual Solvents</b>	Reported: <b>9/1/21</b>	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: N/A	Test ID: T000160835	Started: 9/1/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 08/30/2021 @ 09:16 AM	Sampler ID: N/A

## RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
<b>Propane</b>	77 - 1534	*ND	
<b>Butanes</b> (Isobutane, n-Butane)	145 - 2897	*ND	
<b>Methanol</b>	49 - 981	*ND	
<b>Pentane</b>	77 - 1532	*ND	
<b>Ethanol</b>	80 - 1597	*ND	
<b>Acetone</b>	82 - 1634	*ND	
<b>Isopropyl Alcohol</b>	89 - 1775	*ND	
<b>Hexane</b>	5 - 101	*ND	
<b>Ethyl Acetate</b>	82 - 1635	*ND	
<b>Benzene</b>	0 - 3	*ND	
<b>Heptanes</b>	80 - 1594	*ND	
<b>Toluene</b>	15 - 296	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	108 - 2154	*ND	


 Sam Smith  
 1-Sep-21  
 4:04 PM


 Ryan Weems  
 1-Sep-21  
 4:05 PM

PREPARED BY / DATE

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### Definitions

\* ND = None Detected (Defined by Dynamic Range of the method)

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