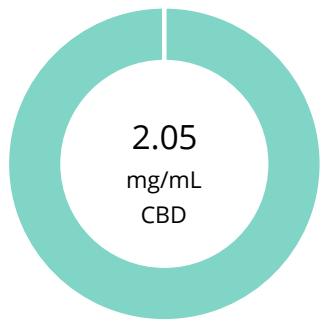


N144

<b>Batch ID:</b>	R60-BBN	<b>Test ID:</b>	T000174021
<b>Type:</b>	Solution	<b>Submitted:</b>	11/02/2021 @ 10:40 AM
<b>Test:</b>	Potency	<b>Started:</b>	11/2/2021
<b>Method:</b>	TM14 (HPLC-DAD)	<b>Reported:</b>	11/2/2021

## CANNABINOID PROFILE



CBD 0.22%

CBDa 0.00%

delta 9 THC 0.00%

THCa 0.00%

Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.34	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.39	ND	ND
Cannabidiolic acid (CBDA)	0.48	ND	ND
Cannabidiol (CBD)	0.47	2.05	2.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.43	2.03	2.2
Cannabinolic Acid (CBNA)	0.24	ND	ND
Cannabinol (CBN)	0.11	57.08	62.0
Cannabigerolic acid (CBGA)	0.36	ND	ND
Cannabigerol (CBG)	0.09	1.84	2.0
Tetrahydrocannabivarinic Acid (THCVA)	0.30	ND	ND
Tetrahydrocannabivarin (THCV)	0.08	ND	ND
Cannabidivarinic Acid (CBDVA)	0.20	ND	ND
Cannabidivarin (CBDV)	0.11	ND	ND
Cannabichromenic Acid (CBCA)	0.14	ND	ND
Cannabichromene (CBC)	0.15	1.73	1.9
<b>Total Cannabinoids</b>		<b>64.73</b>	<b>70.4</b>
Total Potential THC**		ND	ND
Total Potential CBD**		2.05	2.2

### NOTES:

Density = 0.92g/mL

% = % (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.

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

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

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

## FINAL APPROVAL



 Sam Smith  
2-Nov-2021  
5:44 PM



 Rvan Weems  
2-Nov-2021  
5:46 PM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02


Prepared for:

**N144**
**NULEAF NATURALS**


Batch ID or Lot Number: <b>R60-BBN</b>	Test: <b>Metals</b>	Reported: <b>11/5/21</b>	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Unit	Test ID: T000174024	Started: 11/4/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS); Heavy Metals	Received: 11/02/2021 @ 10:40 AM	Sampler ID: N/A

### HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.044 - 4.35	ND	
Cadmium	0.044 - 4.36	ND	
Mercury	0.043 - 4.33	ND	
Lead	0.043 - 4.31	ND	


 Daniel Weidensaul  
 5-Nov-21  
 10:08 AM

PREPARED BY / DATE


 Ryan Weems  
 5-Nov-21  
 10:10 AM

APPROVED BY / DATE

#### Definitions

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

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N144

<b>Batch ID:</b>	R60-BBN	<b>Test ID:</b>	T000174023
<b>Matrix:</b>	Finished Product	<b>Received:</b>	11/02/2021 @ 10:40 AM
<b>Test:</b>	Microbial Contaminants	<b>Started:</b>	11/2/2021
<b>Method:</b>	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	<b>Reported:</b>	11/5/2021

## 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

  
 Jackson Osaghae-Nosa  
 11/5/2021  
 10:25:00 AM

PREPARED BY / DATE

  
 Carly Bader  
 11/5/2021  
 10:28:00 AM

APPROVED BY / DATE

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Certificate #4329.03


Prepared for:


**N144**
**NULEAF NATURALS**

Batch ID or Lot Number: <b>R60-BBN</b>	Test: <b>Pesticides</b>	Reported: <b>11/9/21</b>	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Concentrate	Test ID: T000174022	Started: 11/8/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 11/02/2021 @ 10:40 AM	Sampler ID: N/A

## PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	54	ND	Fenoxycarb	56	ND	Paclobutrazol	58	ND
Acetamiprid	60	ND	Fipronil	92	ND	Permethrin	297	ND
Avermectin	341	ND	Flonicamid	61	ND	Phosmet	57	ND
Azoxystrobin	57	ND	Fludioxonil	326	ND	Prophos	278	ND
Bifenazate	54	ND	Hexythiazox	55	ND	Propoxur	55	ND
Boscalid	60	ND	Imazalil	284	ND	Pyridaben	303	ND
Carbaryl	54	ND	Imidacloprid	62	ND	Spinosad A	43	ND
Carbofuran	57	ND	Kresoxim-methyl	150	ND	Spinosad D	56	ND
Chlorantraniliprole	67	ND	Malathion	296	ND	Spiromesifen	301	ND
Chlorpyrifos	500	ND	Metalaxyl	55	ND	Spirotetramat	307	ND
Clofentezine	290	ND	Methiocarb	60	ND	Spiroxamine 1	25	ND
Diazinon	305	ND	Methomyl	56	ND	Spiroxamine 2	32	ND
Dichlorvos	290	ND	MGK 264 1	172	ND	Tebuconazole	300	ND
Dimethoate	57	ND	MGK 264 2	125	ND	Thiacloprid	57	ND
E-Fenpyroximate	250	ND	Myclobutanil	48	ND	Thiamethoxam	58	ND
Etofenprox	58	ND	Naled	57	ND	Trifloxystrobin	56	ND
Etoxazole	307	ND	Oxamyl	1500	ND			

  
 Daniel Weidensaul  
 11/9/2021  
 3:30:00 PM

  
 Sam Smith  
 11/9/2021  
 3:36:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

### Definitions

LOQ = Limit of Quantification  
 ppb = Parts per Billion

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Certificate #4329.02



Prepared for:

**N144**


**NULEAF NATURALS**

Batch ID or Lot Number: <b>R60-BBN</b>	Test: <b>Residual Solvents</b>	Reported: <b>11/3/21</b>	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: N/A	Test ID: T000174025	Started: 11/2/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 11/02/2021 @ 10:40 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)	152 - 3031	*ND	
<b>Methanol</b>	60 - 1208	*ND	
<b>Pentane</b>	86 - 1720	*ND	
<b>Ethanol</b>	90 - 1803	*ND	
<b>Acetone</b>	96 - 1920	*ND	
<b>Isopropyl Alcohol</b>	102 - 2046	*ND	
<b>Hexane</b>	5 - 102	*ND	
<b>Ethyl Acetate</b>	104 - 2072	*ND	
<b>Benzene</b>	0.2 - 4	*ND	
<b>Heptanes</b>	94 - 1879	*ND	
<b>Toluene</b>	17 - 344	*ND	
<b>Xylenes</b> (m,p,o-Xylenes)	127 - 2539	*ND	

 Hannah Wright  
3-Nov-21  
1:18 PM

 Ryan Weems  
3-Nov-21  
1:19 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### Definitions

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

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