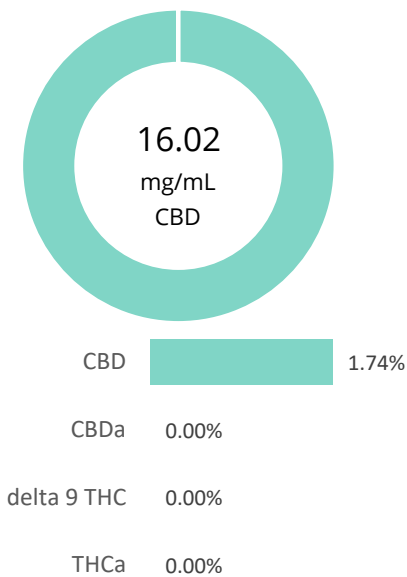


R60-BBM

Batch ID:	M151	Test ID:	T000184714
Type:	Solution	Submitted:	12/27/2021 @ 10:48 AM
Test:	Potency	Started:	12/29/2021
Method:	TM14 (HPLC-DAD)	Reported:	12/30/2021

CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.64	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.73	ND	ND
Cannabidiolic acid (CBDA)	1.01	ND	ND
Cannabidiol (CBD)	0.99	16.02	17.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.80	ND	ND
Cannabinolic Acid (CBNA)	0.46	ND	ND
Cannabinol (CBN)	0.21	16.81	18.3
Cannabigerolic acid (CBGA)	0.67	ND	ND
Cannabigerol (CBG)	0.16	15.78	17.2
Tetrahydrocannabivarinic Acid (THCVA)	0.57	ND	ND
Tetrahydrocannabivarin (THCV)	0.15	ND	ND
Cannabidivarinic Acid (CBDVA)	0.42	ND	ND
Cannabidivarin (CBDV)	0.23	ND	ND
Cannabichromenic Acid (CBCA)	0.26	ND	ND
Cannabichromene (CBC)	0.28	19.35	21.0
Total Cannabinoids		67.96	73.9
Total Potential THC**		ND	ND
Total Potential CBD**		16.02	17.4

% = % (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)

NOTES:

Density = 0.92g/mL

FINAL APPROVAL

 Hannah Wright 30-Dec-2021 5:03 PM	 Rvan Weems 30-Dec-2021 5:05 PM
PREPARED BY / DATE	APPROVED BY / DATE

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 Certificate Number 4329.02



Certificate #4329.02

Prepared for:

R60-BBM
NULEAF NATURALS


Batch ID or Lot Number: M151	Test: Metals	Reported: 1/3/22	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Unit	Test ID: T000184717	Started: 12/30/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 12/27/2021 @ 10:48 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.046 - 4.59	ND	
Cadmium	0.047 - 4.70	ND	
Mercury	0.048 - 4.82	ND	
Lead	0.048 - 4.83	ND	


 Daniel Weidensaul
 3-Jan-22
 10:24 AM

PREPARED BY / DATE


 Ryan Weems
 3-Jan-22
 10:29 AM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

R60-BBM

Batch ID:	M151	Test ID:	T000184716
Matrix:	Finished Product	Received:	12/27/2021 @ 10:48 AM
Test:	Microbial Contaminants	Started:	12/28/2021
Methods:	TM25 (PCR) TM24, TM26, TM27 (Culture Plating)	Reported:	1/3/2022

MICROBIAL CONTAMINANTS

Contaminant	Method	LOD	Quantitation Range	Result
Total Yeast and Mold*	TM-24 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
Total Aerobic Bacteria*	TM-26 Culture Plating	10 ² CFU/g	1.0x10 ³ - 1.5x10 ⁵ CFU/g	None Detected
Total Coliforms*	TM-27 Culture Plating	10 ¹ CFU/g	1.0x10 ² - 1.5x10 ⁴ CFU/g	None Detected
STEC	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent
Salmonella	TM-25 PCR	10 ⁰ CFU/g	N/A	Absent

* 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


NOTES:


Free from visual mold, mildew, and foreign matter

DEFINITIONS:

CFU/g = Colony Forming Units per gram | LOD = Limit of Detection | STEC = Shiga toxin-producing E. coli
 LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation

FINAL APPROVAL


 Sarah Henning
 1/3/2022
 9:22:00 AM


 Courtney Richards
 1/3/2022
 9:40:00 AM

PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.03

Prepared for:

R60-BBM
NULEAF NATURALS

Batch ID or Lot Number: M151	Test: Pesticides	Reported: 1/4/22	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Concentrate	Test ID: T000184715	Started: 1/3/22	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 12/27/2021 @ 10:48 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	75	ND	Fenoxycarb	54	ND	Paclobutrazol	58	ND
Acetamiprid	53	ND	Fipronil	52	ND	Permethrin	304	ND
Avermectin	385	ND	Flonicamid	65	ND	Phosmet	54	ND
Azoxystrobin	141	ND	Fludioxonil	370	ND	Prophos	268	ND
Bifenazate	68	ND	Hexythiazox	117	ND	Propoxur	53	ND
Boscalid	219	ND	Imazalil	288	ND	Pyridaben	296	ND
Carbaryl	57	ND	Imidacloprid	59	ND	Spinosad A	43	ND
Carbofuran	53	ND	Kresoxim-methyl	150	ND	Spinosad D	61	ND
Chlorantraniliprole	112	ND	Malathion	282	ND	Spiromesifen	473	ND
Chlorpyrifos	500	ND	Metalaxyl	60	ND	Spirotetramat	579	ND
Clofentezine	270	ND	Methiocarb	52	ND	Spiroxamine 1	9	ND
Diazinon	345	ND	Methomyl	75	ND	Spiroxamine 2	20	ND
Dichlorvos	305	ND	MGK 264 1	231	ND	Tebuconazole	288	ND
Dimethoate	54	ND	MGK 264 2	167	ND	Thiacloprid	53	ND
E-Fenpyroximate	370	ND	Myclobutanil	53	ND	Thiamethoxam	58	ND
Etofenprox	55	ND	Naled	64	ND	Trifloxystrobin	72	ND
Etoxazole	376	ND	Oxamyl	1500	ND			


 Daniel Weidensaul
 1/4/2022
 1:16:00 PM


 Karen Winternheimer
 1/4/2022
 1:20:00 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:

R60-BBM


NULEAF NATURALS

Batch ID or Lot Number: M151	Test: Residual Solvents	Reported: 12/30/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: N/A	Test ID: T000184718	Started: 12/29/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 12/27/2021 @ 10:48 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	65 - 1290	*ND	
Butanes (Isobutane, n-Butane)	130 - 2602	*ND	
Methanol	57 - 1142	*ND	
Pentane	69 - 1374	*ND	
Ethanol	99 - 1973	*ND	
Acetone	84 - 1685	*ND	
Isopropyl Alcohol	97 - 1944	*ND	
Hexane	5 - 99	*ND	
Ethyl Acetate	90 - 1803	*ND	
Benzene	0.2 - 3.8	*ND	
Heptanes	79 - 1588	*ND	
Toluene	18 - 364	*ND	
Xylenes (m,p,o-Xylenes)	158 - 3167	*ND	

 Hannah Wright
30-Dec-21
12:50 PM

 Ryan Weems
30-Dec-21
12:58 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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