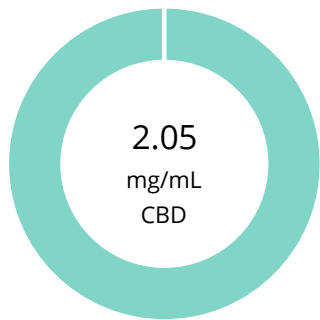


N144

Batch ID:	R60-BBN	Test ID:	T000174021
Type:	Solution	Submitted:	11/02/2021 @ 10:40 AM
Test:	Potency	Started:	11/2/2021
Method:	TM14 (HPLC-DAD)	Reported:	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
Total Cannabinoids		64.73	70.4
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

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:

N144
NULEAF NATURALS


Batch ID or Lot Number: R60-BBN	Test: Metals	Reported: 11/5/21	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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Certificate #4329.02

N144

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

MICROBIAL CONTAMINANTS

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


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: R60-BBN	Test: Pesticides	Reported: 11/9/21	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: R60-BBN	Test: Residual Solvents	Reported: 11/3/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
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Matrix: N/A	Test ID: T000174025	Started: 11/2/21	USDA License: N/A
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Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 11/02/2021 @ 10:40 AM	Sampler ID: N/A
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RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	77 - 1534	*ND	
Butanes (Isobutane, n-Butane)	152 - 3031	*ND	
Methanol	60 - 1208	*ND	
Pentane	86 - 1720	*ND	
Ethanol	90 - 1803	*ND	
Acetone	96 - 1920	*ND	
Isopropyl Alcohol	102 - 2046	*ND	
Hexane	5 - 102	*ND	
Ethyl Acetate	104 - 2072	*ND	
Benzene	0.2 - 4	*ND	
Heptanes	94 - 1879	*ND	
Toluene	17 - 344	*ND	
Xylenes (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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