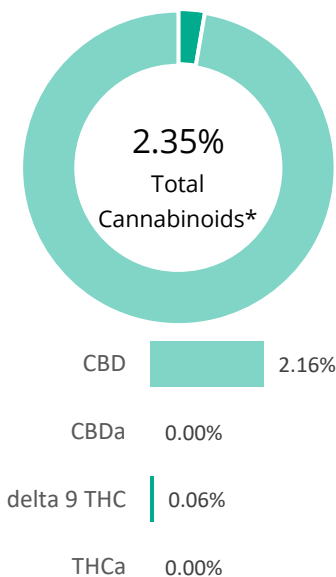


D135B

Batch ID: 35	Test ID: T000162120
Type: Concentrate	Submitted: 09/08/2021 @ 10:47 AM
Test: Potency	Started: 9/8/2021
Method: TM14 (HPLC-DAD)	Reported: 9/9/2021

CANNABINOID PROFILE



Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.04	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.05	0.06	0.6
Cannabidiolic acid (CBDA)	0.06	ND	ND
Cannabidiol (CBD)	0.06	2.16	21.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.05	ND	ND
Cannabinolic Acid (CBNA)	0.03	ND	ND
Cannabinol (CBN)	0.01	ND	ND
Cannabigerolic acid (CBGA)	0.04	ND	ND
Cannabigerol (CBG)	0.01	0.04	0.4
Tetrahydrocannabivarinic Acid (THCVA)	0.04	ND	ND
Tetrahydrocannabivarin (THCV)	0.01	ND	ND
Cannabidivarinic Acid (CBDVA)	0.02	ND	ND
Cannabidivarin (CBDV)	0.01	0.03	0.3
Cannabichromenic Acid (CBCA)	0.02	ND	ND
Cannabichromene (CBC)	0.02	0.06	0.6
Total Cannabinoids		2.35	23.5
Total Potential THC**		0.06	0.6
Total Potential CBD**		2.16	21.6

% = % (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:

N/A

FINAL APPROVAL

 Rvan Weems 9-Sep-2021 11:59 AM	 Daniel Weidensaul 9-Sep-2021 12:07 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:

D135B
NULEAF NATURALS


Batch ID or Lot Number: 35	Test: Metals	Reported: 9/10/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Unit	Test ID: T000162123	Started: 9/8/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 09/08/2021 @ 10:47 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.85	ND	
Cadmium	0.047 - 4.66	ND	
Mercury	0.045 - 4.47	ND	
Lead	0.047 - 4.72	ND	


 Daniel Weidensaul
 10-Sep-21
 12:51 PM

PREPARED BY / DATE


 Ryan Weems
 10-Sep-21
 12:53 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

D135B

Batch ID:	35	Test ID:	T000162122
Matrix:	Finished Product	Received:	09/08/2021 @ 10:47 AM
Test:	Microbial Contaminants	Started:	9/8/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/12/2021

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
<i>E. coli</i>	TM-28 Culture Plating	1 CFU/g	NA	NA	Absent
<i>E. coli</i> (STEC)	TM-25 PCR	1 CFU/g	NA	NA	Absent
<i>Salmonella</i>	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


 Robert Belfon
 9/11/2021
 3:58:00 PM

PREPARED BY / DATE


 Sarah Henning
 9/12/2021
 11:57:00 AM

APPROVED BY / DATE

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Certificate #4329.03



Prepared for:


D135B


NULEAF NATURALS

Batch ID or Lot Number: 35	Test: Residual Solvents	Reported: 9/13/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: N/A	Test ID: T000162124	Started: 9/10/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 09/08/2021 @ 10:47 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	64 - 1271	*ND	
Butanes (Isobutane, n-Butane)	122 - 2441	*ND	
Methanol	45 - 909	*ND	
Pentane	67 - 1344	*ND	
Ethanol	72 - 1448	*ND	
Acetone	74 - 1483	*ND	
Isopropyl Alcohol	77 - 1542	*ND	
Hexane	4 - 89	*ND	
Ethyl Acetate	71 - 1413	*ND	
Benzene	0 - 3	*ND	
Heptanes	71 - 1421	*ND	
Toluene	13 - 267	*ND	
Xylenes (m,p,o-Xylenes)	96 - 1928	*ND	


 Sam Smith
 13-Sep-21
 9:56 AM


 Ryan Weems
 13-Sep-21
 9:58 AM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02


Prepared for:


D135B
NULEAF NATURALS

Batch ID or Lot Number: 35	Test: Pesticides	Reported: 9/15/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Concentrate	Test ID: T000162121	Started: 9/14/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/08/2021 @ 10:47 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	43	ND	Fenoxycarb	43	ND	Paclobutrazol	43	ND
Acetamiprid	40	ND	Fipronil	48	ND	Permethrin	287	ND
Avermectin	283	ND	Flonicamid	39	ND	Phosmet	44	ND
Azoxystrobin	43	ND	Fludioxonil	296	ND	Prophos	283	ND
Bifenazate	45	ND	Hexythiazox	47	ND	Propoxur	40	ND
Boscalid	59	ND	Imazalil	256	ND	Pyridaben	285	ND
Carbaryl	39	ND	Imidacloprid	38	ND	Spinosad A	35	ND
Carbofuran	40	ND	Kresoxim-methyl	150	ND	Spinosad D	50	ND
Chlorantraniliprole	56	ND	Malathion	292	ND	Spiromesifen	231	ND
Chlorpyrifos	500	ND	Metalaxyl	42	ND	Spirotetramat	329	ND
Clofentezine	276	ND	Methiocarb	40	ND	Spiroxamine 1	17	ND
Diazinon	282	ND	Methomyl	42	ND	Spiroxamine 2	23	ND
Dichlorvos	254	ND	MGK 264 1	161	ND	Tebuconazole	286	ND
Dimethoate	41	ND	MGK 264 2	133	ND	Thiacloprid	42	ND
E-Fenpyroximate	236	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	43	ND	Naled	40	ND	Trifloxystrobin	43	ND
Etoxazole	269	ND	Oxamyl	1500	ND			


 Sam Smith
 9/15/2021
 10:08:00 AM


 Alex Benson
 9/15/2021
 2:50:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

LOQ = Limit of Quantification
 ppb = Parts per Billion

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