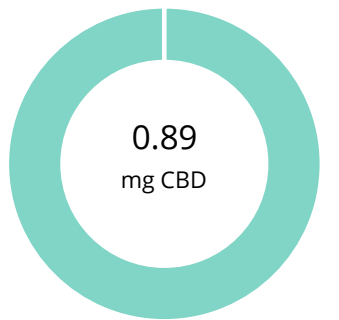


C138S

Batch ID: 41	Test ID: T000170636
Type: Unit	Submitted: 10/19/2021 @ 10:46 AM
Test: Potency	Started: 10/20/2021
Method: TM14 (HPLC-DAD)	Reported: 10/21/2021

CANNABINOID PROFILE



CBD	0.12%
CBDa	0.00%
delta 9 THC	0.00%
THCa	0.00%

Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.22	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.24	ND	ND
Cannabidiolic acid (CBDA)	0.27	ND	ND
Cannabidiol (CBD)	0.27	0.89	1.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.27	0.69	1.0
Cannabinolic Acid (CBNA)	0.15	ND	ND
Cannabinol (CBN)	0.07	0.95	1.3
Cannabigerolic acid (CBGA)	0.23	ND	ND
Cannabigerol (CBG)	0.05	0.93	1.3
Tetrahydrocannabivarinic Acid (THCVA)	0.19	ND	ND
Tetrahydrocannabivarin (THCV)	0.05	ND	ND
Cannabidivarinic Acid (CBDVA)	0.11	ND	ND
Cannabidivarin (CBDV)	0.06	ND	ND
Cannabichromenic Acid (CBCA)	0.09	ND	ND
Cannabichromene (CBC)	0.10	13.81	19.3
Total Cannabinoids		17.27	24.1
Total Potential THC**		ND	ND
Total Potential CBD**		0.89	1.2

NOTES:

of Servings = 1, Sample Weight=0.717g

% = % (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

 Hannah Wright 21-Oct-2021 2:10 PM	 Daniel Weidensaul 21-Oct-2021 2:33 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:

C138S
NULEAF NATURALS


Batch ID or Lot Number: C	Test: Metals	Reported: 9/28/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Unit	Test ID: T000165809	Started: 9/27/21	USDA License: N/A
Status: N/A	Method: TM19 (ICP-MS): Heavy Metals	Received: 09/24/2021 @ 10:28 AM	Sampler ID: N/A

HEAVY METALS DETERMINATION

Compound	Dynamic Range (ppm)	Result (ppm)	Notes
Arsenic	0.048 - 4.81	ND	0
Cadmium	0.049 - 4.89	ND	
Mercury	0.046 - 4.57	ND	
Lead	0.048 - 4.85	ND	


 Ryan Weems
 28-Sep-21
 1:31 PM

PREPARED BY / DATE


 Sam Smith
 28-Sep-21
 1:59 PM

APPROVED BY / DATE

Definitions

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

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Certificate #4329.02

C138S

Batch ID:	C	Test ID:	T000165808
Matrix:	Finished Product	Received:	09/24/2021 @ 10:28 AM
Test:	Microbial Contaminants	Started:	9/24/2021
Method:	TM25 (qPCR) TM24, TM26, TM27, TM28 (Culture Plating)	Reported:	9/27/2021

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

Brianne Maillot
 Brianne Maillot
 9/27/2021
 3:18:00 PM

PREPARED BY / DATE

Tori King
 Tori King
 9/27/2021
 4:09:00 PM

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 4329.03. Testing associated with this certificate of analysis performed by an external ISO17025 accredited provider.



Certificate #4329.03


Prepared for:

C138S
NULEAF NATURALS

Batch ID or Lot Number: C	Test: Pesticides	Reported: 9/29/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: Concentrate	Test ID: t000165807	Started: 9/28/21	USDA License: N/A
Status: N/A	Method: TM17(LC-QQQ LC MS/MS):	Received: 09/24/2021 @ 10:28 AM	Sampler ID: N/A

PESTICIDE DETERMINATION

Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)	Compound	LOQ (ppb)	Result (ppb)
Acephate	41	ND	Fenoxycarb	42	ND	Paclobutrazol	42	ND
Acetamiprid	40	ND	Fipronil	33	ND	Permethrin	287	ND
Avermectin	316	ND	Flonicamid	51	ND	Phosmet	43	ND
Azoxystrobin	43	ND	Fludioxonil	295	ND	Prophos	293	ND
Bifenazate	46	ND	Hexythiazox	47	ND	Propoxur	41	ND
Boscalid	54	ND	Imazalil	284	ND	Pyridaben	298	ND
Carbaryl	39	ND	Imidacloprid	42	ND	Spinosad A	35	ND
Carbofuran	41	ND	Kresoxim-methyl	150	ND	Spinosad D	54	ND
Chlorantraniliprole	53	ND	Malathion	299	ND	Spiromesifen	272	ND
Chlorpyrifos	500	ND	Metalaxyl	43	ND	Spirotetramat	305	ND
Clofentezine	285	ND	Methiocarb	42	ND	Spiroxamine 1	18	ND
Diazinon	290	ND	Methomyl	44	ND	Spiroxamine 2	24	ND
Dichlorvos	290	ND	MGK 264 1	160	ND	Tebuconazole	290	ND
Dimethoate	42	ND	MGK 264 2	136	ND	Thiacloprid	41	ND
E-Fenpyroximate	317	ND	Myclobutanil	40	ND	Thiamethoxam	43	ND
Etofenprox	44	ND	Naled	44	ND	Trifloxystrobin	43	ND
Etoxazole	307	ND	Oxamyl	1500	ND			


 Sam Smith
 9/29/2021
 5:13:00 PM


 Courtney Richards
 9/29/2021
 7:12:00 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:

C138S

NULEAF NATURALS

Batch ID or Lot Number: C	Test: Residual Solvents	Reported: 9/24/21	Location: 1550 LARIMER ST. #964 DENVER, CO 80202
Matrix: N/A	Test ID: T000165810	Started: 9/24/21	USDA License: N/A
Status: N/A	Methods: TM04 (GC-MS): Residual Solvents	Received: 09/24/2021 @ 10:28 AM	Sampler ID: N/A

RESIDUAL SOLVENTS DETERMINATION

Solvent	Dynamic Range (ppm)	Result (ppm)	Notes
Propane	62 - 1243	*ND	
Butanes (Isobutane, n-Butane)	123 - 2463	*ND	
Methanol	51 - 1021	*ND	
Pentane	72 - 1433	*ND	
Ethanol	77 - 1539	*ND	
Acetone	85 - 1705	*ND	
Isopropyl Alcohol	89 - 1784	*ND	
Hexane	5 - 98	*ND	
Ethyl Acetate	85 - 1703	*ND	
Benzene	0 - 3	*ND	
Heptanes	79 - 1571	*ND	
Toluene	15 - 301	*ND	
Xylenes (m,p,o-Xylenes)	110 - 2192	*ND	

 Hannah Wright
24-Sep-21
2:50 PM

 Ryan Weems
24-Sep-21
3:11 PM

PREPARED BY / DATE

APPROVED BY / DATE

Definitions

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

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