botanacor

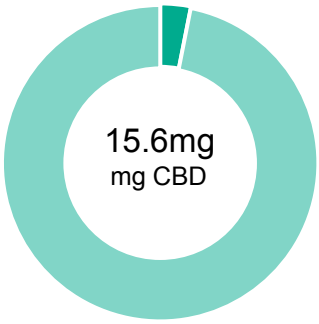
CERTIFICATE OF ANALYSIS

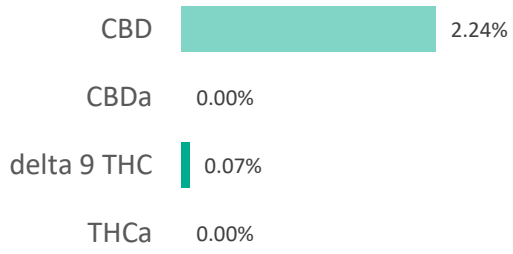
prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

A0036S

Batch ID:	198	**Test ID:**	4622022.0012
Reported:	21-Jul-2020	**Method:**	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.17	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.08	0.50	0.7
Cannabidiolic acid (CBDA)	0.36	ND	ND
Cannabidiol (CBD)	0.20	15.60	22.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.09	ND	ND
Cannabinolic Acid (CBNA)	0.23	ND	ND
Cannabinol (CBN)	0.10	ND	ND
Cannabigerolic acid (CBGA)	0.15	ND	ND
Cannabigerol (CBG)	0.08	0.40	0.6
Tetrahydrocannabivarinic Acid (THCVA)	0.15	ND	ND
Tetrahydrocannabivarin (THCV)	0.08	ND	ND
Cannabidivarinic Acid (CBDVA)	0.34	ND	ND
Cannabidivarin (CBDV)	0.19	0.30	0.4
Cannabichromenic Acid (CBCA)	0.13	ND	ND
Cannabichromene (CBC)	0.15	0.60	0.9
Total Cannabinoids		**17.40**	**24.96**
Total Potential THC**		0.50	0.72
Total Potential CBD**		15.60	22.38

% = % (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.
Total THC = THC + (THCa *(0.877)) and Total CBD = CBD + (CBDa *(0.877))

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

NOTES:

# of Servings = 1, Sample Weight=0.69708g

N/A

FINAL APPROVAL

Tyler Wiese
21-Jul-2020
4:22 PM

PREPARED BY / DATE

Ben Minton
21-Jul-2020
5:19 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 4329.02

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

botanacor

CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

A0036S

Batch ID:	N/A	**Test ID:**	T000085106
Reported:	14-Jul-2020	**Method:**	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynamic Range (ppm)	Result (ppm)
Arsenic	0.067 - 6.69	ND
Cadmium	0.068 - 6.77	ND
Mercury	0.064 - 6.37	ND
Lead	0.067 - 6.72	ND

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

FINAL APPROVAL

Ryan Weems
14-Jul-2020
10:34 AM
PREPARED BY / DATE

Ben Minton
14-Jul-2020
3:26 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.

botanacor

CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

A0036S

Batch ID:	N/A	**Test ID:**	T000085103
Reported:	12-Jul-2020	**Method:**	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*
Total Aerobic Count*	None Detected
Total Coliforms*	None Detected
Total Yeast and Molds**	None Detected
E. coli	None Detected
Salmonella	None Detected

** CFU/g = Colony Forming Unit per Gram*
*** Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.*
Examples: 10^2 = 100 CFU
10^3 = 1,000 CFU
10^4 = 10,000 CFU
10^5 = 100,000 CFU

NOTES:
Free from visual mold, mildew, and foreign matter
TYM: None Detected
Total Aerobic: None Detected

FINAL APPROVAL

Robert Belfon
12-Jul-2020
3:59 PM
PREPARED BY / DATE

Greg Zimpfer
12-Jul-2020
7:44 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

ilac-MRA A2LA ACCREDITED
Certificate #4329.03

 | 1301 S Jason St Unit K, Denver, CO 80223 | 888.800.8223 | www.botanacor.com

botanacor

CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

A0036S

Batch ID:		**Test ID:**	6479398.0032
Reported:	13-Jul-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

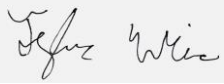
Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	41 - 2492	ND*
Acetamiprid	44 - 2492	ND*
Abamectin	>365	ND*
Azoxystrobin	45 - 2492	ND*
Bifenazate	38 - 2492	ND*
Boscalid	35 - 2492	ND*
Carbaryl	45 - 2492	ND*
Carbofuran	44 - 2492	ND*
Chlorantraniliprole	49 - 2492	ND*
Chlorpyrifos	39 - 2492	ND*
Clofentezine	283 - 2492	ND*
Diazinon	299 - 2492	ND*
Dichlorvos	>288	ND*
Dimethoate	43 - 2492	ND*
E-Fenpyroximate	27 - 2492	ND*
Etofenprox	42 - 2492	ND*
Etoxazole	297 - 2492	ND*
Fenoxycarb	>42	ND*
Fipronil	58 - 2492	ND*
Flonicamid	44 - 2492	ND*
Fludioxonil	>304	ND*
Hexythiazox	43 - 2492	ND*
Imazalil	287 - 2492	ND*
Imidacloprid	47 - 2492	ND*
Kresoxim-methyl	49 - 2492	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	305 - 2492	ND*
Metalaxyl	41 - 2492	ND*
Methiocarb	42 - 2492	ND*
Methomyl	41 - 2492	ND*
MGK 264 1	168 - 2492	ND*
MGK 264 2	99 - 2492	ND*
Myclobutanil	47 - 2492	ND*
Naled	42 - 2492	ND*
Oxamyl	39 - 2492	ND*
Paclobutrazol	45 - 2492	ND*
Permethrin	267 - 2492	ND*
Phosmet	41 - 2492	ND*
Prophos	298 - 2492	ND*
Propoxur	44 - 2492	ND*
Pyridaben	42 - 2492	ND*
Spinosad A	30 - 2492	ND*
Spinosad D	79 - 2492	ND*
Spiromesifen	>294	ND*
Spirotetramat	>302	ND*
Spiroxamine 1	15 - 2492	N/A
Spiroxamine 2	18 - 2492	N/A
Tebuconazole	308 - 2492	ND*
Thiacloprid	43 - 2492	ND*
Thiamethoxam	40 - 2492	ND*
Trifloxystrobin	43 - 2492	ND*

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

N/A

FINAL APPROVAL



Tyler Wiese
13-Jul-2020
5:15 PM

PREPARED BY / DATE

Greg Zimpfer
13-Jul-2020
6:59 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.

botanacor

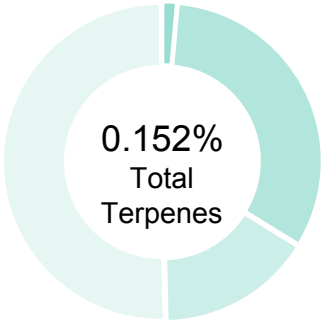
CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

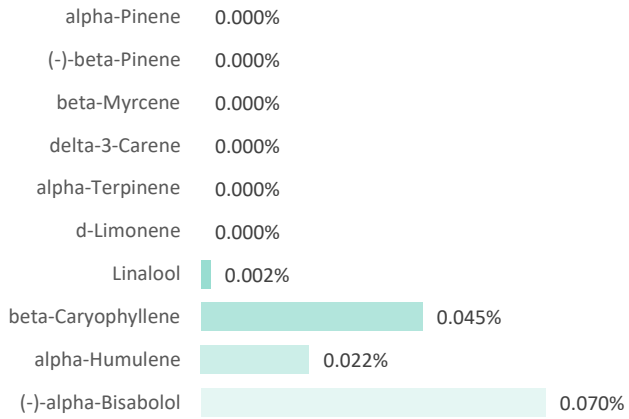
A0036S

Batch ID:		**Test ID:**	6090757.007
Reported:	14-Jul-2020	**Method:**	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE



PREDOMINANT TERPENES



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.070	0.7
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.045	0.45
(-)-Caryophyllene Oxide	0.008	0.08
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.022	0.22
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.002	0.02
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.005	0.05
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	0.152%	**1.52**

NOTES:
0

FINAL APPROVAL

Ryan Weems
14-Jul-2020
5:46 PM

PREPARED BY / DATE

Ben Minton
14-Jul-2020
6:32 PM

APPROVED BY / DATE

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC. 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

ilac-MRA A2LA ACCREDITED
Certificate #4329.02

botanacor

CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

A0036S

Batch ID:		**Test ID:**	T000085102
Reported:	13-Jul-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	106 - 2128	*ND
Butanes (Isobutane, n-Butane)	186 - 3726	*ND
Methanol	64 - 1273	*ND
Pentane	100 - 2005	*ND
Ethanol	102 - 2032	*ND
Acetone	102 - 2045	*ND
Isopropyl Alcohol	110 - 2205	*ND
Hexane	6 - 126	*ND
Ethyl Acetate	104 - 2083	*ND
Benzene	0.2 - 4.1	*ND
Heptanes	100 - 1996	*ND
Toluene	19 - 373	*ND
Xylenes (m,p,o-Xylenes)	135 - 2694	*ND

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

NOTES:
N/A

FINAL APPROVAL

Daniel Weidensaul
13-Jul-2020
3:38 PM
PREPARED BY / DATE

Ben Minton
13-Jul-2020
4:42 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 4329.02

ACCREDITED
Certificate #4329.02

 | 1301 S Jason St Unit K, Denver, CO 80223 | 888.800.8223 | www.botanacor.com