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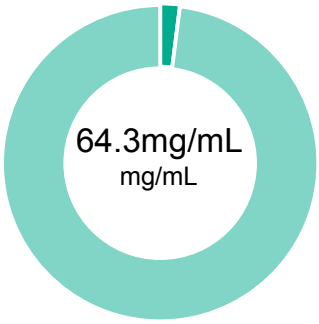
CERTIFICATE OF ANALYSIS

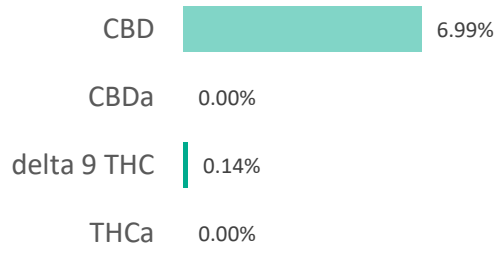
prepared for: NULEAF NATURALS
1550 LARIMER ST. #964
DENVER, CO 80202

E022

Batch ID:		**Test ID:**	6707639.0029
Reported:	29-May-2020	**Method:**	TM14
Type:	Solution		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.61	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.30	1.30	1.4
Cannabidiolic acid (CBDA)	0.77	ND	ND
Cannabidiol (CBD)	0.43	64.30	69.9
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.33	ND	ND
Cannabinolic Acid (CBNA)	0.83	ND	ND
Cannabinol (CBN)	0.37	ND	ND
Cannabigerolic acid (CBGA)	0.53	ND	ND
Cannabigerol (CBG)	0.30	1.70	1.9
Tetrahydrocannabivarinic Acid (THCVA)	0.52	ND	ND
Tetrahydrocannabivarin (THCV)	0.27	ND	ND
Cannabidivarinic Acid (CBDVA)	0.71	ND	ND
Cannabidivarin (CBDV)	0.39	0.80	0.9
Cannabichromenic Acid (CBCA)	0.45	ND	ND
Cannabichromene (CBC)	0.55	2.40	2.6
Total Cannabinoids		**70.50**	**76.64**
Total Potential THC**		1.30	1.42
Total Potential CBD**		64.30	69.89

% = % (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:

Density = 0.92g/mL

N/A

FINAL APPROVAL

Ryan Weems
29-May-2020
2:24 PM

PREPARED BY / DATE

Ben Minton
29-May-2020
2:56 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

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CERTIFICATE OF ANALYSIS

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

E022

Batch ID:	N/A	**Test ID:**	T000077831
Reported:	2-Jun-2020	**Method:**	TM19
Type:	Other		
Test:	Metals		

HEAVY METALS

Analyte	Dynmic Range (ppm)	Result (ppm)
Arsenic	0.077 - 7.70	ND
Cadmium	0.079 - 7.87	ND
Mercury	0.071 - 7.10	ND
Lead	0.076 - 7.56	ND

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

FINAL APPROVAL

Ryan Weems
2-Jun-2020
12:26 PM
PREPARED BY / DATE

Ben Minton
2-Jun-2020
5:25 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

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

E022

Batch ID:	N/A	**Test ID:**	T000077828
Reported:	31-May-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

Sarah Henning
31-May-2020
1:07 PM
PREPARED BY / DATE

Greg Zimpfer
31-May-2020
7:21 PM
APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964 SUITE #232
DENVER, CO 80202

E022

Batch ID:		**Test ID:**	6366377.0014
Reported:	1-Jun-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	51 - 2360	ND*
Acetamiprid	51 - 2360	ND*
Abamectin	>306	ND*
Azoxystrobin	51 - 2360	ND*
Bifenazate	51 - 2360	ND*
Boscalid	51 - 2360	ND*
Carbaryl	51 - 2360	ND*
Carbofuran	51 - 2360	ND*
Chlorantraniliprole	51 - 2360	ND*
Chlorpyrifos	51 - 2360	ND*
Clofentezine	306 - 2360	ND*
Diazinon	306 - 2360	ND*
Dichlorvos	>306	ND*
Dimethoate	51 - 2360	ND*
E-Fenpyroximate	51 - 2360	ND*
Etofenprox	51 - 2360	ND*
Etoxazole	306 - 2360	ND*
Fenoxycarb	>51	ND*
Fipronil	51 - 2360	ND*
Flonicamid	51 - 2360	ND*
Fludioxonil	>306	ND*
Hexythiazox	51 - 2360	ND*
Imazalil	306 - 2360	ND*
Imidacloprid	51 - 2360	ND*
Kresoxim-methyl	51 - 2360	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	306 - 2360	ND*
Metalaxyl	51 - 2360	ND*
Methiocarb	51 - 2360	ND*
Methomyl	51 - 2360	ND*
MGK 264 1	306 - 2360	ND*
MGK 264 2	306 - 2360	ND*
Myclobutanil	51 - 2360	ND*
Naled	51 - 2360	ND*
Oxamyl	51 - 2360	ND*
Paclobutrazol	51 - 2360	ND*
Permethrin	306 - 2360	ND*
Phosmet	51 - 2360	ND*
Prophos	306 - 2360	ND*
Propoxur	51 - 2360	ND*
Pyridaben	51 - 2360	ND*
Spinosad A	51 - 2360	ND*
Spinosad D	306 - 2360	ND*
Spiromesifen	>306	ND*
Spirotetramat	>306	ND*
Spiroxamine 1	51 - 2360	ND*
Spiroxamine 2	51 - 2360	ND*
Tebuconazole	306 - 2360	ND*
Thiacloprid	51 - 2360	ND*
Thiamethoxam	51 - 2360	ND*
Trifloxystrobin	51 - 2360	ND*

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

N/A

FINAL APPROVAL

Tyler Wiese
1-Jun-2020
4:43 PM
PREPARED BY / DATE

Greg Zimpfer
1-Jun-2020
5:12 PM
APPROVED BY / DATE

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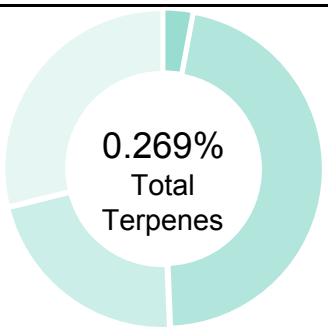
CERTIFICATE OF ANALYSIS

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

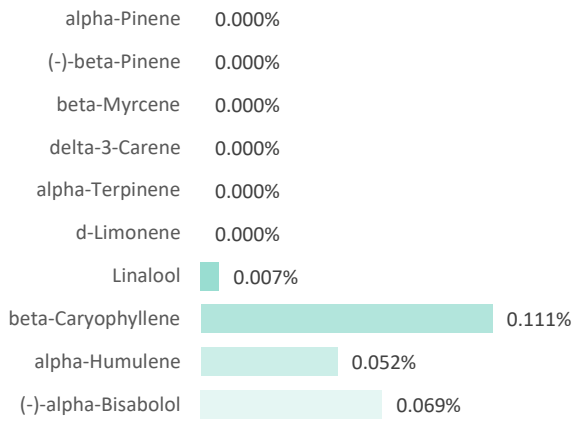
E022

Batch ID:		**Test ID:**	9483610.0023
Reported:	2-Jun-2020	**Method:**	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE



PREDOMINANT TERPENES



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.069	0.69
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.111	1.11
(-)-Caryophyllene Oxide	0.027	0.27
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.052	0.52
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.007	0.07
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.003	0.03
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
	0.269%	**2.69**

NOTES:
0

FINAL APPROVAL

Ryan Weems
2-Jun-2020
3:55 PM

PREPARED BY / DATE

Ben Minton
2-Jun-2020
6:15 PM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: NULEAF NATURALS
1550 LARIMER ST. #964 SUITE #232
DENVER, CO 80202

E022

Batch ID:		**Test ID:**	T000077827
Reported:	1-Jun-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	96 - 1918	*ND
Butanes (Isobutane, n-Butane)	192 - 3849	*ND
Methanol	60 - 1190	*ND
Pentane	82 - 1640	*ND
Ethanol	80 - 1595	121
Acetone	98 - 1959	*ND
Isopropyl Alcohol	103 - 2053	*ND
Hexane	6 - 119	*ND
Ethyl Acetate	98 - 1961	*ND
Benzene	0.2 - 3.9	*ND
Heptanes	89 - 1781	*ND
Toluene	18 - 357	*ND
Xylenes (m,p,o-Xylenes)	131 - 2622	*ND

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

NOTES:
N/A

FINAL APPROVAL

Ryan Weems
1-Jun-2020
3:00 PM
PREPARED BY / DATE

Greg Zimpfer
1-Jun-2020
4:39 PM
APPROVED BY / DATE

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