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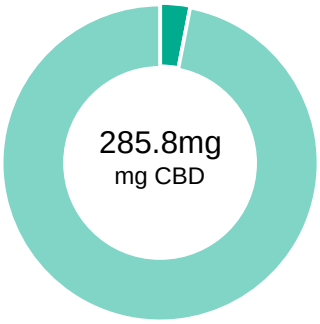
CERTIFICATE OF ANALYSIS

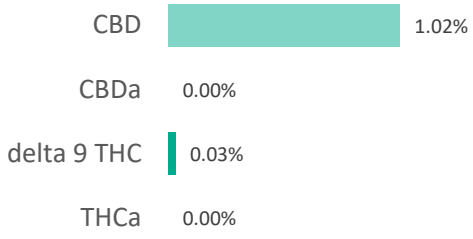
prepared for: BLUE FOREST FARMS, LLC
8044 PEBBLE ROAD
NIWOT, CO 80503

#5 300mg NATURAL PET TINCTURE

Batch ID:	51946	**Test ID:**	5452863.0061
Reported:	3-Jan-2020	**Method:**	TM14
Type:	Unit		
Test:	Potency		

CANNABINOID PROFILE





Compound	LOQ (mg)	Result (mg)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	1.95	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.97	9.00	0.3
Cannabidiolic acid (CBDA)	1.45	0.00	0.0
Cannabidiol (CBD)	0.81	285.80	10.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	1.07	0.00	0.0
Cannabinolic Acid (CBNA)	2.67	0.00	0.0
Cannabinol (CBN)	1.18	0.00	0.0
Cannabigerolic acid (CBGA)	1.70	0.00	0.0
Cannabigerol (CBG)	0.96	5.40	0.2
Tetrahydrocannabivarinic Acid (THCVA)	1.67	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.87	0.00	0.0
Cannabidivarinic Acid (CBDVA)	1.35	0.00	0.0
Cannabidivarin (CBDV)	0.74	0.90	0.0
Cannabichromenic Acid (CBCA)	1.46	0.00	0.0
Cannabichromene (CBC)	1.76	20.50	0.7
Total Cannabinoids		**321.60**	**11.49**
Total Potential THC**		9.00	0.32
Total Potential CBD**		285.80	10.21

% = % (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))

NOTES:

# of Servings = 1, Sample Weight=28g

N/A

FINAL APPROVAL

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

Greg Zimpfer
3-Jan-2020
3:52 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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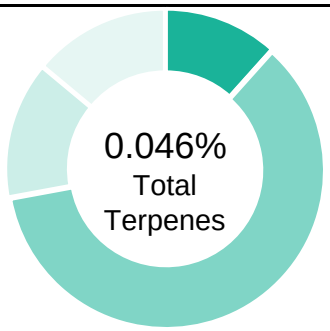
CERTIFICATE OF ANALYSIS

prepared for: BLUE FOREST FARMS, LLC
8044 PEBBLE ROAD Suite #300
NIWOT, CO 80503

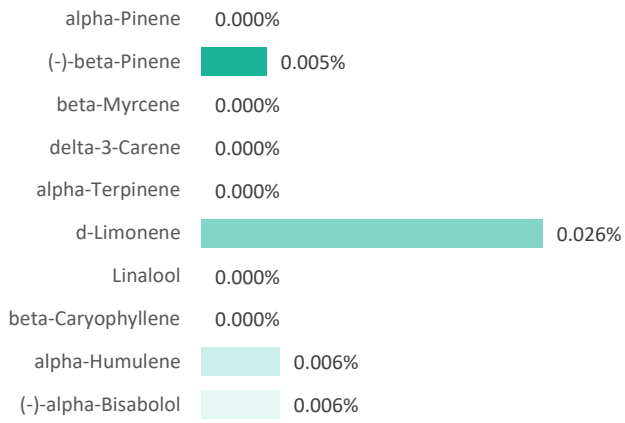
#5 300mg NATURAL PET TINCTURE

Batch ID:	51946	**Test ID:**	8787489.0016
Reported:	8-Jan-2020	**Method:**	TM10
Type:	Concentrate		
Test:	Terpenes		

TERPENE PROFILE



PREDOMINANT TERPENES



Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	0.006	0.06
Camphene	0.000	0
delta-3-Carene	0.000	0
beta-Caryophyllene	0.000	0
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.006	0.06
(-)-Isopulegol	0.000	0
d-Limonene	0.026	0.26
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.005	0.05
alpha-Terpinene	0.000	0
gamma-Terpinene	0.003	0.03
Terpinolene	0.000	0
	0.046%	**0.46**

NOTES:
0

FINAL APPROVAL

Daniel Weidensaul
7-Jan-2020
5:04 PM

PREPARED BY / DATE

Chris Jungling
8-Jan-2020
5:25 AM

APPROVED BY / DATE

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CERTIFICATE OF ANALYSIS

prepared for: BLUE FOREST FARMS, LLC
8044 PEBBLE ROAD Suite #300
NIWOT, CO 80503

#5 300mg NATURAL PET TINCTURE

Batch ID:	51946	**Test ID:**	5357694.005
Reported:	8-Jan-2020	**Method:**	TM04
Type:	Concentrate		
Test:	Residual Solvents		

RESIDUAL SOLVENTS

Solvent	Reportable Range (ppm)	Result (ppm)
Propane	100 - 2000	0
Butanes (Isobutane, n-Butane)	100 - 2000	0
Pentane	100 - 2000	0
Ethanol	100 - 2000	0
Acetone	100 - 2000	0
Isopropyl Alcohol	100 - 2000	0
Hexane	6 - 120	0
Benzene	0.2 - 4	0.0
Heptanes	100 - 2000	0
Toluene	18 - 360	0
Xylenes (m,p,o-Xylenes)	43 - 860	0

NOTES:
Free from visual mold, mildew, and foreign matter.

FINAL APPROVAL

Ryan Weems
7-Jan-2020
2:06 PM
PREPARED BY / DATE

Greg Zimpfer
8-Jan-2020
5:52 AM
APPROVED BY / DATE

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Certificate #4329.02

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CERTIFICATE OF ANALYSIS

prepared for: BLUE FOREST FARMS, LLC
8044 PEBBLE ROAD
NIWOT, CO 80503

#5 300mg NATURAL PET TINCTURE

Batch ID:	51946	**Test ID:**	2761762.018
Reported:	5-Jan-2020	**Method:**	Edible - Test Methods: TM05, TM06
Type:	Edible		
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
Coliforms: None Detected

FINAL APPROVAL

Sarah Henning
5-Jan-2020
12:37 PM
PREPARED BY / DATE

Mike Branvold
5-Jan-2020
4:54 PM
APPROVED BY / DATE

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Certificate #4329.03

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CERTIFICATE OF ANALYSIS

prepared for: BLUE FOREST FARMS, LLC
8044 PEBBLE ROAD
NIWOT, CO 80503

#5 300mg NATURAL PET TINCTURE

Batch ID:	51946	**Test ID:**	T000048855
Reported:	15-Jan-2020	**Method:**	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Other		
Test:	Metals		

HEAVY METALS

Compound	Reporting Limit (ppm)	Result (ppm)
Arsenic	0.05	<0.05
Cadmium	0.05	<0.05
Lead	0.05	<0.05
Mercury	0.05	<0.05

FINAL APPROVAL

Sam Smith
15-Jan-2020
10:20 AM
PREPARED BY / DATE

David Green
15-Jan-2020
11:03 AM
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.

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CERTIFICATE OF ANALYSIS

prepared for: BLUE FOREST FARMS, LLC
8044 PEBBLE ROAD Suite #300
NIWOT, CO 80503

#5 300mg NATURAL PET TINCTURE

Batch ID:	51946	**Test ID:**	3589994.0016
Reported:	8-Jan-2020	**Method:**	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	52 - 2422	ND*
Acetamiprid	52 - 2422	ND*
Avermectin	314 - 2422	ND*
Azoxystrobin	52 - 2422	ND*
Bifenazate	52 - 2422	ND*
Boscalid	314 - 2422	ND*
Carbaryl	52 - 2422	ND*
Carbofuran	52 - 2422	ND*
Chlorantraniliprole	52 - 2422	ND*
Chlorpyrifos	314 - 2422	ND*
Clofentezine	52 - 2422	ND*
Diazinon	52 - 2422	ND*
Dichlorvos	314 - 2422	ND*
Dimethoate	52 - 2422	ND*
E-Fenpyroximate	314 - 2422	ND*
Etofenprox	314 - 2422	ND*
Etoxazole	314 - 2422	ND*
Fenoxycarb	52 - 2422	ND*
Fipronil	314 - 2422	ND*
Flonicamid	52 - 2422	ND*
Fludioxonil	314 - 2422	ND*
Hexythiazox	314 - 2422	ND*
Imazalil	314 - 2422	ND*
Imidacloprid	52 - 2422	ND*
Kresoxim-methyl	52 - 2422	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	52 - 2422	ND*
Metalaxyl	314 - 2422	ND*
Methiocarb	52 - 2422	ND*
Methomyl	52 - 2422	ND*
MGK 264 1	52 - 2422	ND*
MGK 264 2	314 - 2422	ND*
Myclobutanil	314 - 2422	ND*
Naled	314 - 2422	ND*
Oxamyl	52 - 2422	ND*
Paclobutrazol	52 - 2422	ND*
Permethrin	314 - 2422	ND*
Phosmet	52 - 2422	ND*
Prophos	314 - 2422	ND*
Propoxur	314 - 2422	ND*
Pyridaben	314 - 2422	ND*
Spinosad A	52 - 2422	ND*
Spinosad D	314 - 2422	ND*
Spiromesifen	52 - 2422	ND*
Spirotetramat	314 - 2422	ND*
Spiroxamine 1	52 - 2422	ND*
Spiroxamine 2	52 - 2422	ND*
Tebuconazole	52 - 2422	ND*
Thiacloprid	52 - 2422	ND*
Thiamethoxam	52 - 2422	ND*
Trifloxystrobin	314 - 2422	ND*

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

N/A

FINAL APPROVAL

Sam Smith
8-Jan-2020
7:16 AM

PREPARED BY / DATE

Greg Zimpfer
8-Jan-2020
7:24 AM

APPROVED BY / DATE

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