

Certificate of Analysis

Client Name: MN Nice Botanicals, LLC	Matrix: Tincture
Client Address: 2036 Butler Ave, South Saint Paul, MN 55075	Date Received: 6/1/2021 2:44:00PM
Sample ID: 1500mg CBD Pet Tincture	Lab Sample ID: 2102487-01
Lot/Batch #:	Date of Report: 6/14/2021 3:41:16PM

Analysis	Requested (Yes/No)
Cannabinoid Profile	Yes
Terpene Profile	No
Aflatoxins	No
Heavy Metals	No
Residual Solvents	No
Microbial Testing	No
Pesticides	No



Sample, packaged



Sample, actual

Cannabinoid Profile 2102487-01

1500mg CBD Pet Tincture

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	0.00547	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
Cannabidiol (CBD)	4.49	0.0838	% by Weight w	HPLC	6/10/21 4:43 pm	V3
Cannabidiolic Acid (CBDA)	0.00225	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
Cannabigerol (CBG)	0.0648	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
Cannabigerolic Acid (CBGA)	<0.00168	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
Cannabinol (CBN)	0.00443	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
Delta-8-Tetrahydrocannabinol (d8-THC)	<0.00838	0.00838	% by Weight w	HPLC	6/10/21 4:28 pm	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.0148	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
THCA-A	<0.00168	0.00168	% by Weight w	HPLC	6/10/21 4:28 pm	
Total CBG	0.0648	0.00315	% by Weight w	HPLC	6/10/21 4:28 pm	
Total CBD	4.49	0.0852	% by Weight w	HPLC	6/10/21 4:43 pm	
Total THC	0.0148	0.00314	% by Weight w	HPLC	6/10/21 4:28 pm	

Sample Narrative: 2102487-01

1500mg CBD Pet Tincture

Based on the density of MCT oil (0.94 g/mL),
1270 mg CBD per 30 mL container



Sarah Smestad - Chemist II/Client Manager I

Certificate of Analysis

Notes and Definitions

CFU/g	Colony Forming Units per Gram
HPLC	High-Performance Liquid Chromatography
MS	Mass Spectrometry
<	Less than value listed
RL	Reporting Limit
NA	Not Applicable
V3	CCV recovery was above method acceptance limits. This target analyte was detected in the sample, but the sample was not rear

BB105

Batch ID:	DISTILLATE	Test ID:	T000049887
Reported:	17-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

 Alex Smith
17-Jan-2020
1:30 PM

PREPARED BY / DATE

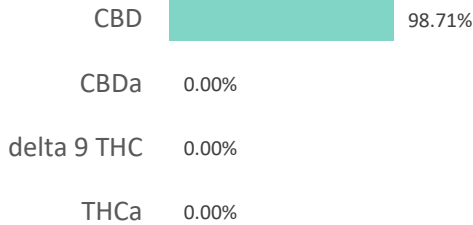
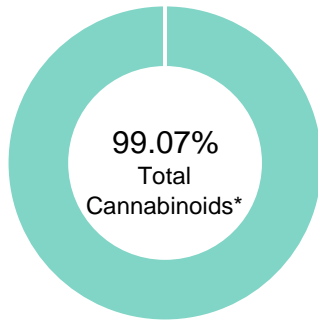
 Greg Zimpfer
17-Jan-2020
4:16 PM

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.

BB105

Batch ID:	ISOLATE	Test ID:	7363111.006
Reported:	10-Jan-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.18	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.09	0.00	0.0
Cannabidiolic acid (CBDA)	0.25	0.00	0.0
Cannabidiol (CBD)	0.14	98.71	987.1
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.10	0.00	0.0
Cannabinolic Acid (CBNA)	0.24	0.00	0.0
Cannabinol (CBN)	0.11	0.00	0.0
Cannabigerolic acid (CBGA)	0.16	0.00	0.0
Cannabigerol (CBG)	0.09	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.15	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.08	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.23	0.00	0.0
Cannabidivarin (CBDV)	0.13	0.36	3.6
Cannabichromenic Acid (CBCA)	0.13	0.00	0.0
Cannabichromene (CBC)	0.16	0.00	0.0
Total Cannabinoids		99.07	990.70
Total Potential THC**		0.00	0.00
Total Potential CBD**		98.71	987.10


NOTES:

N/A

% = % (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.

$$\text{Total THC} = \text{THC} + (\text{THCa} * (0.877)) \text{ and Total CBD} = \text{CBD} + (\text{CBDa} * (0.877))$$
FINAL APPROVAL


Tyler Wiese
10-Jan-2020
4:50 PM

PREPARED BY / DATE



Greg Zimpfer
10-Jan-2020
8:04 PM

APPROVED BY / DATE

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BB105


Batch ID:	ISOLATE	Test ID:	7968183.0028
Reported:	11-Jan-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		

PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	50 - 2338	ND*	Malathion	50 - 2338	ND*
Acetamiprid	50 - 2338	ND*	Metalaxyl	303 - 2338	ND*
Avermectin	303 - 2338	ND*	Methiocarb	50 - 2338	ND*
Azoxystrobin	50 - 2338	ND*	Methomyl	50 - 2338	ND*
Bifenazate	50 - 2338	ND*	MGK 264 1	50 - 2338	ND*
Boscalid	303 - 2338	ND*	MGK 264 2	303 - 2338	ND*
Carbaryl	50 - 2338	ND*	Myclobutanil	303 - 2338	ND*
Carbofuran	50 - 2338	ND*	Naled	303 - 2338	ND*
Chlorantraniliprole	50 - 2338	ND*	Oxamyl	50 - 2338	ND*
Chlorpyrifos	303 - 2338	ND*	Paclobutrazol	50 - 2338	ND*
Clofentezine	50 - 2338	ND*	Permethrin	303 - 2338	ND*
Diazinon	50 - 2338	ND*	Phosmet	50 - 2338	ND*
Dichlorvos	303 - 2338	ND*	Prophos	303 - 2338	ND*
Dimethoate	50 - 2338	ND*	Propoxur	303 - 2338	ND*
E-Fenpyroximate	303 - 2338	ND*	Pyridaben	303 - 2338	ND*
Etofenprox	303 - 2338	ND*	Spinosad A	50 - 2338	ND*
Etoxazole	303 - 2338	ND*	Spinosad D	303 - 2338	ND*
Fenoxycarb	50 - 2338	ND*	Spiromesifen	50 - 2338	ND*
Fipronil	303 - 2338	ND*	Spirotetramat	303 - 2338	ND*
Flonicamid	50 - 2338	ND*	Spiroxamine 1	50 - 2338	ND*
Fludioxonil	303 - 2338	ND*	Spiroxamine 2	50 - 2338	ND*
Hexythiazox	303 - 2338	ND*	Tebuconazole	50 - 2338	ND*
Imazalil	303 - 2338	ND*	Thiacloprid	50 - 2338	ND*
Imidacloprid	50 - 2338	ND*	Thiamethoxam	50 - 2338	ND*
Kresoxim-methyl	50 - 2338	ND*	Trifloxystrobin	303 - 2338	ND*


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

N/A

FINAL APPROVAL


Sam Smith
 11-Jan-2020
 7:14 AM

PREPARED BY / DATE



Chris Jungling
 11-Jan-2020
 9:19 AM

APPROVED BY / DATE

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prepared for: UNITED CANNABIS
301 COMMERCIAL ROAD UNIT D
GOLDEN, CO 80401

BB105

Batch ID:	ISOLATE	Test ID:	6169996.033
Reported:	10-Jan-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

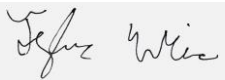
RESIDUAL SOLVENTS


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


Tyler Wiese
10-Jan-2020
5:34 PM


Greg Zimpfer
10-Jan-2020
8:20 PM

PREPARED BY / DATE

APPROVED BY / DATE

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