

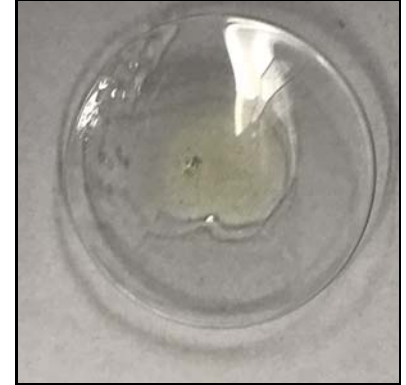
Certificate of Analysis

Client Name: MN Nice Botanicals, LLC	Matrix: Oil
Client Address: 2036 Butler Ave, South Saint Paul, MN 55075	Date Received: 11/30/2020 3:10:00PM
Sample ID: 4000 mg CBD Isolate Massage Oil	Lab Sample ID: 2004886-01
Lot/Batch #:	Date of Report: 12/11/2020 10:56:30AM

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 2004886-01 4000 mg CBD Isolate Massage Oil

Analyte	Result	RL	Units	Analysis Method	Date Analyzed	Notes
Cannabichromene (CBC)	0.00404	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
Cannabidiol (CBD)	4.39	0.100	% by Weight	HPLC	12/8/20 9:50 pm	
Cannabidiolic Acid (CBDA)	<0.00200	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
Cannabigerol (CBG)	<0.00200	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
Cannabigerolic Acid (CBGA)	<0.00200	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
Cannabinol (CBN)	<0.00200	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
Delta-9-Tetrahydrocannabinol (d9-THC)	0.00275	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
THCA-A	<0.00200	0.00200	% by Weight	HPLC	12/8/20 9:37 pm	
Total CBG	<0.00376	0.00376	% by Weight	HPLC	12/8/20 9:37 pm	
Total CBD	4.39	0.102	% by Weight	HPLC	12/8/20 9:50 pm	
Total THC	<0.00375	0.00375	% by Weight	HPLC	12/8/20 9:37 pm	

Sample Narrative: 2004886-01 4000 mg CBD Isolate Massage Oil

4440 mg CBD per 101.2 g container

This is a revised report. At the client's request, this report was revised on December 11, 2020 to correct the container weight used to calculate the mg CBD/container results. This report supercedes the report dated December 10, 2020.

Sarah Smestad - Chemist II/Client Manager I

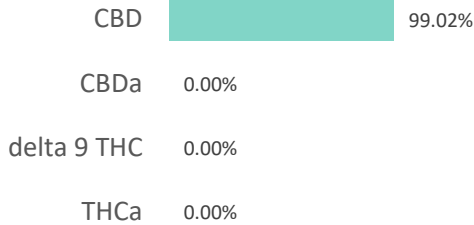
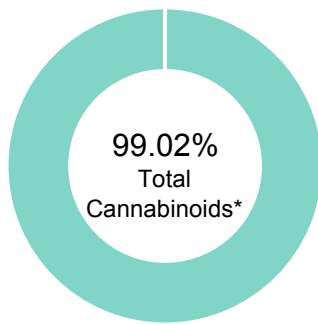
Certificate of Analysis

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

ISOLATE T&D

Batch ID:	ISOLATE	Test ID:	6846067.0019
Reported:	10-July-2020	Method:	TM14
Type:	Concentrate		
Test:	Potency		

CANNABINOID PROFILE


Compound	LOQ (%)	Result (%)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.14	0.00	0.0
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.07	0.00	0.0
Cannabidiolic acid (CBDA)	0.22	0.00	0.0
Cannabidiol (CBD)	0.12	99.02	990.2
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.08	0.00	0.0
Cannabinolic Acid (CBNA)	0.19	0.00	0.0
Cannabinol (CBN)	0.08	0.00	0.0
Cannabigerolic acid (CBGA)	0.12	0.00	0.0
Cannabigerol (CBG)	0.07	0.00	0.0
Tetrahydrocannabivarinic Acid (THCVA)	0.12	0.00	0.0
Tetrahydrocannabivarin (THCV)	0.06	0.00	0.0
Cannabidivarinic Acid (CBDVA)	0.20	0.00	0.0
Cannabidivarin (CBDV)	0.11	0.00	0.0
Cannabichromenic Acid (CBCA)	0.10	0.00	0.0
Cannabichromene (CBC)	0.13	0.00	0.0
Total Cannabinoids		99.02	990.20
Total Potential THC**		0.00	0.00
Total Potential CBD**		99.02	990.20


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


Sam Smith
10-July-2020
2:37 PM

PREPARED BY / DATE



David Green
10-July-2020
2:43 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



ISOLATE

Batch ID:	22	Test ID:	8858213.033
Reported:	16-July-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
<i>E. coli</i>	None Detected
<i>Salmonella</i>	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



Samantha Pauly
16-July-2020
4:08 PM



David Green
16-July-2020
4:24 PM

PREPARED BY / DATE

APPROVED BY / DATE

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ISOLATE

Batch ID:	22	Test ID:	1605039.002
Reported:	14-July-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	110
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

 Alex Smith 14-July-2020 1:53 PM	 Greg Zimpfer 14-July-2020 2:31 PM
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PREPARED BY / DATE

APPROVED BY / DATE

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Certificate #4329.02

Isolate

Batch ID:	22	Test ID:	T000039416
Reported:	13-July-2020	Method:	Arsenic = Arsenic EPA 6020A (mod), Cadmium = Cadmium EPA 6020A (mod), Lead = Lead EPA 6020A (mod), Mercury = Mercury EPA 6020A (mod)
Type:	Concentrate		
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
13-July-2020
7:11 AM

PREPARED BY / DATE

Greg Zimpfer
13-July-2020
8:24 AM

APPROVED BY / DATE

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EMH Isolate

Batch ID:	Batch #55	Test ID:	T000093576
Reported:	3-Sep-2020	Method:	TM17
Type:	Concentrate		
Test:	Pesticides		


PESTICIDE RESIDUE


Compound	Dynamic Range (ppb)	Result (ppb)	Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	41 - 2323	ND*	Malathion	261 - 2323	ND*
Acetamiprid	37 - 2323	ND*	Metalaxyl	38 - 2323	ND*
Abamectin	>323	ND*	Methiocarb	39 - 2323	ND*
Azoxystrobin	39 - 2323	ND*	Methomyl	42 - 2323	ND*
Bifenazate	40 - 2323	ND*	MGK 264 1	148 - 2323	ND*
Boscalid	45 - 2323	ND*	MGK 264 2	111 - 2323	ND*
Carbaryl	38 - 2323	ND*	Myclobutanil	39 - 2323	ND*
Carbofuran	40 - 2323	ND*	Naled	37 - 2323	ND*
Chlorantraniliprole	41 - 2323	ND*	Oxamyl	38 - 2323	ND*
Chlorpyrifos	50 - 2323	ND*	Paclobutrazol	42 - 2323	ND*
Clofentezine	261 - 2323	ND*	Permethrin	279 - 2323	ND*
Diazinon	268 - 2323	ND*	Phosmet	39 - 2323	ND*
Dichlorvos	>229	ND*	Prophos	292 - 2323	ND*
Dimethoate	38 - 2323	ND*	Propoxur	39 - 2323	ND*
E-Fenpyroximate	282 - 2323	ND*	Pyridaben	285 - 2323	ND*
Etofenprox	41 - 2323	ND*	Spinosad A	28 - 2323	ND*
Etoxazole	283 - 2323	ND*	Spinosad D	75 - 2323	ND*
Fenoxycarb	>37	ND*	Spiromesifen	>272	ND*
Fipronil	56 - 2323	ND*	Spirotetramat	>271	ND*
Flonicamid	45 - 2323	ND*	Spiroxamine 1	17 - 2323	ND*
Fludioxonil	>281	ND*	Spiroxamine 2	21 - 2323	ND*
Hexythiazox	38 - 2323	ND*	Tebuconazole	281 - 2323	ND*
Imazalil	250 - 2323	ND*	Thiacloprid	40 - 2323	ND*
Imidacloprid	37 - 2323	ND*	Thiamethoxam	41 - 2323	ND*
Kresoxim-methyl	37 - 2323	ND*	Trifloxystrobin	41 - 2323	ND*

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

N/A

FINAL APPROVAL

 Tyler Wiese
 3-Sep-2020
 8:03 PM

 Ben Minton
 3-Sep-2020
 9:32 PM

PREPARED BY / DATE

APPROVED BY / DATE

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