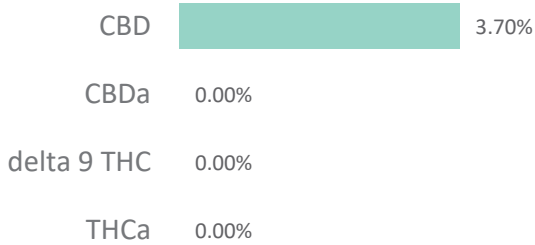
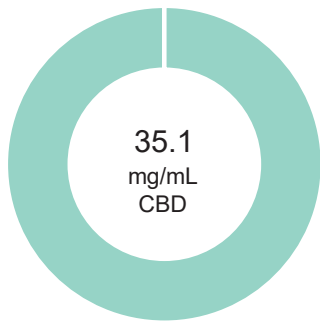


CERTIFICATE OF ANALYSIS

CANNABIDIOL OIL 1000mg

Batch ID:	JP032720T4	Test ID:	T000104481
Type:	Solution	Submitted:	10/20/2020 @ 08:36 AM
Test:	Potency	Started:	10/20/2020
Method:	TM14	Reported:	10/22/2020

CANNABINOID PROFILE



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A)	0.68	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.33	ND	ND
Cannabidiolic acid (CBDA)	0.15	ND	ND
Cannabidiol (CBD)	0.31	35.10	37.0
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.36	ND	ND
Cannabinolic Acid (CBNA)	0.94	ND	ND
Cannabinol (CBN)	0.41	ND	ND
Cannabigerolic acid (CBGA)	0.59	ND	ND
Cannabigerol (CBG)	0.33	ND	ND
Tetrahydrocannabivarin (THCVA)	0.58	ND	ND
Tetrahydrocannabivarin (THCV)	0.30	ND	ND
Cannabidivarinic Acid (CBDVA)	0.14	ND	ND
Cannabidivarin (CBDV)	0.08	0.42	0.4
Cannabichromenic Acid (CBCA)	0.52	ND	ND
Cannabichromene (CBC)	0.60	ND	ND
Total Cannabinoids		35.52	37.5
Total Potential THC**		ND	ND
Total Potential CBD**		35.10	37.1

NOTES:

Density = 0.947421g/mL

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.

Total THC = THC + (THCa *(0.877)) and

Total CBD = CBD + (CBDa *(0.877))

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

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CERTIFICATE OF ANALYSIS

PRODUCT NAME: Broad Spectrum CBD Hemp Oil

PRODUCT CODE: BO-NO-Y-Z-A

LOT NUMBER: CONO20-04

DATE OF MANUFACTURE: 25NOV2019

EXPIRATION DATE: 25NOV2021

(DDMMYYYY)

(Expiration date is 24 months
under sealed conditions)

INGREDIENTS: Phytocannabinoid-Rich Hemp Oil

Parameter	Method ¹	Specification	Results
Appearance		Viscous Oil, Possible Crystal Formation	Pass
Color	QCU002	Pale yellow to amber to brown	Pass
Dissolution		Soluble and translucent	Pass
Cannabinoids		LOQ (ppm)	Wt. (%)
CBD		20	84.810
CBD-A		20	< LOQ
Δ9-THC		5	< LOQ
THC-A		5	< LOQ
CBN		5	0.833
CBN-A		5	< LOQ
CBG	QCU001	5	< LOQ
CBC	(UHPLC-DAD)	5	< LOQ
CBC-A		5	< LOQ
Δ8-THC		5	< LOQ
CBDV		5	1.393
CBDV-A		5	< LOQ
THCV		5	< LOQ
Potency - Total CBD		≥ 80.0 wt%	84.8 wt%
Total THC		0.0%	0.0%
Identity - CBD		Retention Time ± 0.05min of Standard	0.01 min
Terpenes		For Information Only	
β-Caryophyllene			0.14%
Caryophyllene Oxide	GC-MS		0.10%
Guaiol	(CannaSafe)		0.06%
Linalool			0.02%

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Parameter	Method ¹	Specification	Results
Pesticides	LC/MS GC/MS (CannaSafe)	Conforms to EPA limits	Pass
Residual Solvents			
Ethanol		5000 ppm	Pass
Methanol		3000 ppm	Pass
Pentane	USP	5000 ppm	Pass
Acetone	<467>	5000 ppm	Pass
Isopropyl Alcohol	GC FID (CannaSafe)	5000 ppm	Pass
Heptane		5000 ppm	Pass
Hexane		290 ppm	Pass
Heavy Metals			
Arsenic	USP	<1.5 ppm	Pass
Cadmium	<2232>	<0.5 ppm	Pass
Lead	ICP-MS	<0.5 ppm	Pass
Mercury	(CannaSafe)	<0.2 ppm	Pass
Microbial Limits			
Total aerobic plate count	USP	<1000 cfu/g	Pass
Total yeast & mold	<2023>	<100 cfu/g	Pass
Total coliforms	(Green Scientific)	None	Pass
E. coli		None	Pass
Salmonella		None	Pass
Mycotoxins			
Aflatoxin B1	USP	<5ppb	Pass
Aflatoxin B2	<561>	<5ppb	Pass
Aflatoxin G1	LC-MS	<5ppb	Pass
Aflatoxin G2	(CannaSafe)	<5ppb	Pass
Total Mycotoxins		<20ppb	Pass

*Note: ¹according to Folium Biosciences internal analytical methods, US Pharmacopoeia or 3rd party contract Laboratory method.
ND=Not Detected; LOQ=Limit of Quantitation; LOD=Limit of Detection*

Results conform to all specifications (Yes) or No

Note: When sampling, manufacturing, or formulating with this oil, the oil MUST first be heated and liquefied at 70-75°C and mixed thoroughly. Attempting to sample the oil when it is in a semi-solid state will not result in accurate analytical results.

Storage: Room Temperature, Protect from Light

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Prepared by: Jill Boydan  Date: 05/11/2020
Quality Control, Folium Biosciences

Reviewed by: Chris DiLorenzo  Date: 05/11/2020
Quality Control, Folium Biosciences

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CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Broad Spectrum CBD Oil (0.0% THC) Tinctures

PRODUCT CODE: T-NO-1,000mg-NF-MCT-BR-1oz

LOT NUMBER: JP032720T4 (Sales Order# LLVL-002-DB-4, Total of (1,000) 1 oz bottles)

OIL BATCH NUMBER: CONO20-04

DATE OF MANUFACTURE: 27Mar2020

Expiration date is 24 months under sealed conditions.

ACTIVE INGREDIENTS: Broad Spectrum CBD Oil (0.0% THC)

INACTIVE INGREDIENTS: Medium Chain Triglycerides (MCT Oil)

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Thin Oil	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Clear to Light Yellow	Conforms	QCU002
Cannabinoid Content	95 - 110% of target concentration CBD, 0.0% THC	1,000 mg CBD per 1 oz, 0.0% THC	QCU001

Package	Acceptance Criteria	Results
Primary Package	Container dedusted and wiped clean Container caps screwed on tight	Conforms
Secondary Package	Carton Sturdy and clean Sufficient cushion material exists Carton taped on all sides	Conforms

Note: Bulk tinctures assume an oil density of 0.92g/mL. Therefore, to fill 1 oz tinctures, we recommend filling them to 28 grams in order to ensure accurate dosing. The density can be used to calculate the fill weight for other package sizes.

Storage: Room Temperature, Protect from Light

Prepared by: *Jill Min*
Inspection Control, Folium Biosciences

Date: 28 APR 2020

Reviewed by: *Arthur O'Keefe*
Inspection Control, Folium Biosciences

Date: 28 APR 2020

This product is not intended to diagnose, treat, cure, or prevent any disease and has not been evaluated by the FDA.



認 定 証

CERTIFICATE

認定番号: SF2020000005

会社名: 株式会社CBD Medica

兵庫県西宮市日野町4-55

製品名: 高フィットカンナビノイドヘンプオイル1,000mg

期限/Lot: JP032720T4

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一般社団法人 日本カンナビジオール協会

代表理事

伊藤 俊彦

管理番号 A000007