

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Broad Spectrum Hemp Oil Tinctures

PRODUCT CODE: T-NO-250mg-NF-MCT-BR-1oz

LOT NUMBER: JP032321T7 (Sales Order# THDO-007-CT-1, (Total of (500) 1 oz bottles) OIL BATCH NUMBER: CONO20-40

DATE OF MANUFACTURE: 23Mar2021

Expiration date is 24 months under sealed conditions. ACTIVE INGREDIENTS: Broad Spectrum Hemp Oil

INACTIVE INGREDIENTS: Medium Chain Triglycerides (MCT Oil)

Attributes	NTS: Medium Chain Tr Acceptance Criteria	The state of the s	JII)	
Appearance		Results	Test Method	
- Appearance	Thin Oil	Conforms	QCU002	
Odor	Characteristic	Conforms	QCU002	
Color	Clear to Light Amber	Conforms .	QCU002	
Cannabinoid Content	NLT 95% of target concentration CBD, 0.0% THC	250 mg CBD per 1 oz, 0.0% THC	QCU001	

Package	Acceptance Criteria	Results	
Primary Package	Tourist dedusted and wined clean		
econdary 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: Inspection Control, Folium Biosciences

Reviewed by:

Inspection Control, Folium Biosciences

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

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CERTIFICATE OF ANALYSIS

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

PRODUCT CODE: BO-NO-Y-Z-A LOT NUMBER: CONO20-40

DATE OF MANUFACTURE: 06NOV2020

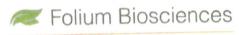
EXPIRATION DATE: 06NOV2022

(DDMMMYYYY)

(Expiration date is 24 months under sealed conditions.)

INGREDIENTS: Broad Spectrum CBD Oil (0.0% THC)

Parameter	Method ¹	Specia	fication	Results
Appearance		Viscous Oil, Possible Crystal Formation		Pass
Color	QCU002 Pale yellow to amber to brow		amber to brown	Pass
Dissolution		Soluble and translucent		Pass
Cannabinoids	QCU001 (UHPLC-DAD)	LOQ (ppm)	Wt. (%)	(mg/g)
CBD		20	86.249	862.490
CBD-A		20	< LOQ	< LOQ
Δ9-THC		5	0.027	0.270
THC-A		5	< LOQ	< LOQ
CBN		5	0.028	0.280
CBN-A		5	< LOQ	< LOQ
CBG		5	< LOQ	< LOQ
CBC		5	< LOQ	< LOQ
CBC-A		5	< LOQ	< LOQ
Δ8-THC		5	< LOQ	< LOQ
CBDV		5	1.390	13.895
CBDV-A		5	< LOQ	< LOQ
THCV		5	< LOQ	< LOQ
Potency - Total CBD		NLT 80.0 wt% 0.0% Retention Time ± 0.05 min of Standard		86.2 wt%
Total THC				0.0%
Identity - CBD				-0.01 min
Terpenes		For Information Only		
β-Caryophyllene				0.25%
Caryophyllene Oxide				0.14%
Guaiol	GC-MS			0.14%
α-Humulene	(CannaSafe)			< LOQ
Linalool	My first Name (Mag Street Court of the Court			0.04%



Truth in Hemp™

Parameter	Method ¹	Specification	Results	
Pesticides	LC/MS GC/MS (CannaSafe)	Conforms to EPA limits	Pass	
Residual Solvents				
Ethanol		5000 ppm	Pass	
Methanol	USP	3000 ppm	Pass	
Pentane	<467>	5000 ppm	Pass	
Acetone		5000 ppm	Pass	
Isopropyl Alcohol	GC FID	5000 ppm	Pass	
Heptane	(CannaSafe)	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	
Enterobacteriaceae		<10 MPN/g	Pass	
Aspergillus	(CannaSafe	Absent Absent	Pass	
E. coli		Absent	Pass	
Salmonella		Absent	Pass	
Mycotoxins				
Aflatoxin B1	USP	<5ppb	Pass	
Aflatoxin B2	<561>	<5ppb	Pass	
Aflatoxin G1		<5ppb	Pass	
Aflatoxin G2	LC-MS	<5ppb	Pass	
Total Aflatoxins	(CannaSafe		Pass	
Ochratoxin A		<10ppb	Pass	

Notes: 'according to Folium Biosciences internal analytical methods, US Pharmacopeia or 3rd party contract laboratory method.

ND=Not Detected

The above certificate of analysis is based on Product Specification (QA-FRM3-0005 BO-NO-Y-Z-A) Revision No. 01

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, Heat and Moisture

Prepared by: Blake Breitmeyer Quality Control, Folium Biosciences

Reviewed by: Chris Didomenico

Quality Control, Folium Biosciences

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