

CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Broad Spectrum Hemp Oil Tinctures

PRODUCT CODE: T-NO-500mg-NF-MCT-BR-1oz

LOT NUMBER: JP032321T8 (Sales Order# THDO-007-CT-3, (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	Acceptance Criteria	Results	Test Method
Appearance	Thin Oil	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Clear to Light Yellow	Conforms	QCU002
Cannabinoid Content	NLT 95% of target concentration CBD, 0.0% THC	500 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:

Inspection Control, Folium Biosciences

Date: 07MAL2021

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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	Specifi	ication	Results
Appearance		Viscous Oil, Possibl	e Crystal Formation	Pass
Color	QCU002	Pale yellow to a	amber to brown	Pass
Dissolution		Soluble and translucent		Pass
Cannabinoids		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	QCU001	5	< LOQ	< LOQ
CBC	(UHPLC-DAD)	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 8	0.0 wt%	86.2 wt%
Total THC		0.0	0%	0.0%
Identity - CBD		Retention Time ±	0.05min of Standard	-0.01 min
Terpenes		For Informa	ation Only	
β-Caryophyllene				0.25%
Caryophyllene Oxide				0.14%
Guaiol	GC-MS			0.14%
α-Humulene	(CannaSafe)			< LOQ
Linalool				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		A STATE OF THE PARTY OF THE PAR		
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		And the second s		
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	Pass	
E. coli		Absent	Pass	
Salmonella		Absent	Pass	
Mycotoxins		The state of the s		
Aflatoxin B1	USP	<5ppb	Pass	
Aflatoxin B2	<561>	<5ppb	Pass	
Aflatoxin G1		<5ppb	Pass	
Aflatoxin G2	LC-MS	<5ppb	Pass	
Total Aflatoxins	(CannaSafe)	<20ppb	Pass	
Ochratoxin A		<10ppb	Pass	

Notes: 'according to Volium 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 Date:

Reviewed by: Chris Didomenico

Quality Control, Folium Biosciences

Date: 17MAR 2021

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