



## CERTIFICATE OF QUALITY ASSURANCE

**PRODUCT NAME:** THC-Free Phytocannabinoid-Rich Hemp Oil Tinctures

**PRODUCT CODE:** T-NO-IS00mg-Mi-loz-8l-Btl

**LOT NUMBER:** DR031218TS (Sales Order# CUNA-001-SN-E, Total of (100) 1 oz tinctures)

**OIL BATCH NUMBER:** CONO18-10

**DATE OF MANUFACTURE:** 03/12/2018

*Expiration date is 18 months under sealed conditions.*

**ACTIVE INGREDIENTS:** THC-Free Phytocannabinoid-Rich Hemp Oil

**INACTIVE INGREDIENTS:** Hemp Seed Oil, Grape Seed Oil, Peppermint Oil, Stevia

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Thin Oil	Conforms	QCU002 or QAU00S
Odor	Characteristic	Conforms	QCU002 or QAU00S
Color	Light Green	Conforms	QCU002 or QAU00S
Cannabinoid Content	95 - 110% of target concentration, THC - Report results	1,500 mg total Phytocannabinoids per 1 oz, THC Not Detected	QCU001 or QAU00S

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 30ml tinctures, we recommend filling them to 27g in order to ensure accurate dosing. The density can be used to calculate the fill weight for other package sizes.



## CERTIFICATE OF INTERNAL ANALYSIS

**BATCH No:** CONO18-10  
**TEST ID:** C7R6NO NO OIL (Botanacor)  
**2-23-18**  
**TYPE:** Phytocannabinoid-Rich Hemp Oil  
**DATE:** 2-26-18

**POTENCY RESULTS:**

Cannabinoid	Wt. (%)	(mg/g)
CBD	80.91%	809.1
CBG	<0.01%	<0.1
CBN	<0.01%	<0.1
THC	ND**	ND**
CBC	<0.01%	<0.1
THC-A	ND**	ND**
CBD-A	0.63%	6.30%
MAX THC	ND**	ND**
MAX CBD	81.46%	814.6
TOTAL ACTIVE	81.46%	814.6

**Residual Solvents\*:**

Propane	ND**	Pentane	ND**
Isobutane	ND**	Isopropanol	ND**
Butane	ND**	Hexane	ND**
Ethanol	ND**	Acetone	ND**

**Heavy Metals\*:**

Cadmium	ND**
Lead	ND**
Arsenic	ND**
Mercury	ND**

**TERPENE RESULTS\*:**

	Wt. (%)		Wt. (%)
$\beta$ -Bisabolene	1.0-3.0	Camphene	0.1-0.2
$\beta$ -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	0.5-2.0	Farnesol	0.1-0.2
$\beta$ -Maaliene	0.5-2.0	$\alpha$ -Bisabolol	< 0.1
Calarene	0.5-1.5	P-Cymene	< 0.1
$\beta$ -Caryophyllene	0.1-1.0	Linalool	< 0.1
$\alpha$ -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
$\alpha$ -Gurjunene	0.1-0.5	Isopulegol	< 0.1
d-Limonene	0.1-0.5	Terpinene	< 0.1
Nerolidol	0.1-0.5	Geraniol	< 0.1
$\alpha$ -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	$\gamma$ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	$\delta$ -3-Carene	< 0.1

**Pesticides\***

Acequinocyl	ND**	Spinosad	ND**
Pyrethrium	ND**	Spirotetramat	ND**
Spiromesifen	ND**	Bifenazate	ND**
Abamectin	ND**	Fenoxycarb	ND**
Imidacloprid	ND**	Paclobutrazol	ND**

\*Batches are sent out regularly for testing, not all batches tested

\*\* ND = Not Detected

**Batch Release:**

Chemist:

*Cheryl Curran*

Manager:

*[Signature]*