



CERTIFICATE OF ANALYSIS

(1) Botanacor

1001 Galapagos St, Suite B

Denver, CO 80223

Phone: 303-909-1563

(2) Innovatical

5555 W. Brooks St.

Montclair, CA 91763

Phone: 909-230-6210

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

ACTIVE INGREDIENTS: THC-Free Phytocannabinoid-Rich Hemp Oil

INACTIVE INGREDIENTS: Medium Chain Triglycerides (MCT Oil), Peppermint Oil, Orange Oil, Lemon Oil, Stevia

Product Code	Lot Number	Oil Batch Number	Date of Manufacture	Date of Analysis
T-NO-250mg-NF-MCT-BR-1oz	DR052319T3	CONO19-66	05/05/2019	05/07/2019
T-NO-250mg-MI-MCT-BR-1oz	DR052319T4	CONO19-66	05/05/2019	05/07/2019
T-NO-250mg-OR-MCT-BR-1oz	DR052319T5	CONO19-66	05/05/2019	05/07/2019
T-NO-250mg-LE-MCT-BR-1oz	DR052319T6	CONO19-66	05/05/2019	05/07/2019
T-NO-500mg-NF-MCT-BR-1oz	DR052319T7	CONO19-66	05/05/2019	05/07/2019
T-NO-500mg-MI-MCT-BR-1oz	DR052319T8	CONO19-66	05/05/2019	05/07/2019
T-NO-500mg-OR-MCT-BR-1oz	DR052319T9	CONO19-66	05/05/2019	05/07/2019
T-NO-500mg-LE-MCT-BR-1oz	DR052319T10	CONO19-66	05/05/2019	05/07/2019
T-NO-1,000mg-NF-MCT-BR-1oz	DR052319T11	CONO19-66	05/05/2019	05/07/2019
T-NO-1,000mg-MI-MCT-BR-1oz	DR052319T12	CONO19-66	05/05/2019	05/07/2019
T-NO-1,000mg-OR-MCT-BR-1oz	DR052319T13	CONO19-66	05/05/2019	05/07/2019
T-NO-1,000mg-LE-MCT-BR-1oz	DR052319T14	CONO19-66	05/05/2019	05/07/2019
T-NO-1,500mg-MI-MCT-BR-1oz	DR052319T15	CONO19-66	05/05/2019	05/07/2019

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, THC – Report results	DR052319T3 DR052319T4 DR052319T5 DR052319T6	250 mg total Phytocannabinoids per 1 oz, THC Not Detected	QCU001
		DR052319T7 DR052319T8 DR052319T9 DR052319T10	500 mg total Phytocannabinoids per 1 oz, THC Not Detected	
		DR052319T11 DR052319T12 DR052319T13 DR052319T15	1,000 mg total Phytocannabinoids per 1 oz, THC Not Detected	
		DR052319T15	1,500 mg total Phytocannabinoids per 1 oz, THC Not Detected	

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

POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	85.22	852.24
CBG	<0.03	<0.30
CBN	<0.03	<0.30
THC	ND**	ND**
CBC	<0.03	<0.30
THC-A	ND**	ND**
CBD-A	<0.03	<0.30
CBDV	1.14	11.38
THCV	ND**	ND**
MAX THC	ND**	ND**
MAX CBD	85.22	852.24
TOTAL ACTIVE	86.36	863.62

RESIDUAL SOLVENTS*:

Propane	Compliant with USP<467>	Pentane	Compliant with USP<467>
Isobutane	Compliant with USP<467>	Isopropanol	Compliant with USP<467>
Butane	Compliant with USP<467>	Hexane	Compliant with USP<467>
Ethanol	Compliant with USP<467>	Acetone	Compliant with USP<467>

Test ID: 050619SA

HEAVY METALS*:

Cadmium	Compliant with USP<233>
Lead	Compliant with USP<233>
Arsenic	Compliant with USP<233>
Mercury	Compliant with USP<233>

TERPENE RESULTS*:

	Wt. (%)		Wt. (%)
β -Bisabolene	1.0-3.0	Camphene	0.1-0.2
β -Farnesene	1.0-2.0	E-Farnesene	0.1-0.2
Guaiol	0.5-2.0	Farnesol	0.1-0.2
β -Maaliene	0.5-2.0	α -Bisabolol	< 0.1
Calarene	0.5-1.5	P-Cymene	< 0.1
β -Caryophyllene	0.1-1.0	Linalool	< 0.1
α -Humulene	0.1-1.0	Myrcene	< 0.1
Cadinene	0.1-1.0	Phytol	< 0.1
α -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
α -Pinene	0.1-0.5	Myrcene	< 0.1
Aristolene	0.1-0.3	γ -Terpinene	< 0.1
Eucalyptol	0.1-0.2	δ -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**

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

Expiration date is 18 months under sealed conditions at room temperature

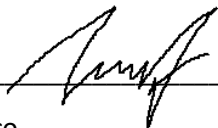
*Batches are sent out regularly for testing, not all batches tested

**ND = Not Detected using a validated high-performance liquid chromatography test method

***Pesticides are tested by a third party lab, ND = Not Detected at the Reporting Limit (RL)

Batch Release:

Chemist: Lena Johnson



Manager: Ashley Orosco

