



CERTIFICATE OF QUALITY ASSURANCE

PRODUCT NAME: Thc – Free Phytocannabinoid Rich Hemp Oil Tinctures

PRODUCT CODE: T-NO-1,000mg/1oz – MI – STD – BULK

LOT NUMBER: DR041919T5

OIL BATCH NUMBER: CON019-53

DATE OF MANUFACTURE: 19Apr2019

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
Odor	Characteristic	Conforms	QCU002
Color	Yellow Green to Green	Conforms	QCU002
Cannabinoid Content	95 - 110% of target concentration, THC - Report results	1,000 mg total Phytocannabinoids per 1 oz, THC Not Detected	QCU001

CERTIFICATE OF INTERNAL ANALYSIS

TYPE: Phytocannabinoid-Rich Hemp Oil/THC-free

BATCH No: CON019-53

Date of Manufacture: 24Mar2019

Date of Analysis: 16Apr2019

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



POTENCY RESULTS:

Cannabinoid	Wt. (%)	(mg/g)
CBD	82.38	823.84
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
MAX THC	ND**	ND**
MAX CBD	82.38	823.84
TOTAL ACTIVE	82.38	823.84

Heavy Metals*:

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

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>

Pesticides*:

Acequinocyl	ND***	Sf inosad	ND***
Pyrethrium	ND***	Sf irotetramat	ND***
Spiromesifen	ND***	B Fenazate	ND***
Abamectin	ND***	Fenoxycarb	ND***
Imidacloprid	ND***	Pe clobutrazol	ND***

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*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)