

## Lab Report

Product: CBD Oil Tincture - 250mg

Lot Number: DR072320T2

Type: THC-Free Phytocannabinoid-Rich Hemp Oil



Parameter	Method <sup>1</sup>	Specification	Results
Appearance		Viscous Oil, Possible Crystal Formation	Pass
Color	QCU002	Pale yellow to amber to brown	Pass
Dissolution		Soluble and translucent	Pass
<b>Cannabinoids</b>		<b>LOQ (ppm)</b> <b>Wt. (%)</b>	<b>(mg/g)</b>
CBD		20	85.934
CBD-A		20	< LOQ
Δ9-THC		5	< LOQ
THC-A		5	< LOQ
CBN		5	0.025
CBN-A		5	< LOQ
CBG	QCU001 (UHPLC-DAD)	5	< LOQ
CBC		5	< LOQ
CBC-A		5	< LOQ
Δ8-THC		5	< LOQ
CBDV		5	< LOQ
CBDV-A		5	14.10
THCV		5	< LOQ
<b>Potency – Total CBD</b>		<b>≥80.0 wt%</b>	<b>85.9 wt%</b>
<b>Total THC</b>		<b>0.0%</b>	<b>0.0%</b>
<b>Identity – CBD</b>		<b>Retention Time ± 0.05min of Standard</b>	<b>0.02min</b>
<b>Terpenes</b>		<b>For Information Only</b>	
β-Caryophyllene			0.25%
Guaiol	GC-MS (CannaSafe)		0.13%
α-Humulene			0.01%
Linalool			0.04%

Parameter	Method <sup>1</sup>	Specification	Results
Pesticides	LC/MS GC/MS (Cannasafe)	Conforms to EPA limits	Pass
<b>Residual Solvents</b>			
Ethanol		5000 ppm	Pass
Methanol	USP	3000 ppm	Pass
Pentane	<467>	5000 ppm	Pass
Acetone		5000 ppm	Pass
Isopropyl Alcohol	GC FID (CannaSafe)	5000 ppm	Pass
Heptane		5000 ppm	Pass
Hexane		290 ppm	Pass
<b>Heavy Metals</b>			
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
<b>Microbial Limits</b>			
Total aerobic plate count	USP	<1000 cfu/g	Pass
Total yeast & mold	<2023>	<100 cfu/g	Pass
Enterobacteriaceae	(Green Scientific)	<10 MPN/g	Pass
Aspergillus		Absent	Pass
E. coli		Absent	Pass
Salmonella		Absent	Pass
<b>Mycotoxins</b>			
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 Valterra Biosciences internal analytical methods, US Pharmacopeia or 3rd party contract laboratory method.  
 ND=Not Detected

# Certificate of Quality Assurance

**ACTIVE INGREDIENTS:** Broad Spectrum CBD Oil (0.0% THC)

**INACTIVE INGREDIENTS:** Grapeseed Oil, Orange Oil

Attributes	Acceptance Criteria	Results	Test Method
Appearance	Thin Oil	Conforms	QCU002
Odor	Characteristic	Conforms	QCU002
Color	Light Yellow to Yellow	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	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