## CERTIFICATE OF ANALYSIS

**PRODUCT NAME:** Certified Organic - CBD Tincture - Ngo qp"

**PRODUCT STRENGTH:** 450 mg / bottle

**TINCTURE BATCH:** 22026A **BEST BY DATE:** 2714614245 **HEMP EXTRACT LOT:** E243: /224

## \*Click on the links to view third-party reports\*

### Physical Atttributes

Test	Method	Specification	Results	
Color	Internal	Golden to Amber	PASS	
Odor	Internal	Characteristic - Coconut and Hemp, Ngo qp	PASS	
Appearance	Internal	Golden to Amber oil in brown glass bottle with dropper.	PASS	
Primary Package Eval.	Internal	Container clean and free of filth. Container caps tight and shrink bands intact	PASS	
Secondary Package Eval.	Internal	Labeling Compliance Checked, Cartons sturdy and clean. Sufficient cushion material exists. Box taped and secure.	PASS	

#### Review of Third-Party Analysis

Panel Method		Specification	Results*	Pass/Fail	
Potency - Total CBD	HPLC-UV DAD	LOQ*: $\geq$ 450 mg / bottle <b>6:90, mg</b>		PASS	
Potency - D9-THC	HPLC-UV DAD	LOQ: <0.01% (broad spectrum)	Below LOQ	PASS	
Pesticide Panel	HPLC-QQQ	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS	
Microbial Escherichia coli (STEC)	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram**	Absent	PASS	
Microbial Salmonella	PCR	Complies with CDPHE 6 CCR 1010-21 - LOQ 1 CFU/25 gram	Absent	PASS	
Microbial Yeast and Mold	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS	
Microbial Total Coliforms	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^2 CFU/gram	Below LOQ	PASS	
Microbial Total Aerobic Count	Culture Plating	Complies with CDPHE 6 CCR 1010-21 - LOQ 10^3 CFU/gram	Below LOQ	PASS	
Heavy Metals	ICP-MS	Arsenic (As): ≤1.5 ppm† Cadmium (Cd): ≤0.5 ppm Lead (Pb): ≤0.5 ppm Mercury (Hg): ≤1.5 ppm	Below LOQ	PASS	
Mycotoxins	ICP-MS	Total Aflatoxins <20 ppb†† Afltoxin B1 < 20 ppb Ochratoxin < 20 ppb	Below LOQ	PASS	
Residual Solvents	GC-HS-MSD	LOQ: Complies with CDPHE 6 CCR 1010-21 Industrial Hemp Extract	Below LOQ	PASS	

\*Level of Quantification \*\*Colony Forming Units per Gram † Parts Per Million †† Part Per Billion

Values expressed in scientific notation. Examples: 10^2=100 10^3=1,000

Keegan Schlittler Quality Certified

02/01/2022

Keegan Schlittler

Quality Assurance Manager

Date



1BS25

### C0218-002

## **7USC1639 Certificate of Analysis**

2/22/2021 man date

total cannabinoids

THC total

512.9mg

per 30 mL

CBD total 487.9mg terpenes This Product Has Been **Tested and Complies** with 7USC1639o(1)

MSP-7.5.1.6

Stillwater Laboratories

MIP

MSP-7.5.1.6

order 9903

analysis date 2/22/2021 5:32:07 PM

test tag S1BWL sample wgt

Inspection MSP-7.5.1.2

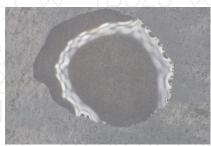
DESCRIPTION: Concentrate sample received in a client-labeled bottle, collected at dispensary/grow. 1 and sample tag S1BWL.

caryophyllene humulene terpinolene ocimene beta pinene alpha pinene limonene myrcene

linalool



Terpenes



error LOQ (95%Cl k=2) Potency per 30 mL MSP-7.5.1.4 LOD ND tetrahydrocannabolic acid (THCa) 0.08 | 0.23 | ±0.23mg ND 0.07 | 0.21 | ±0.21 mg Δ9-tetrahydrocannabinol (Δ9 THC) Δ8-tetrahydrocannabinol (Δ8 THC) ND 0.10 | 0.29 | ±0.29mg tetrahydrocannabivarin (THCv) ND 0.08 | 0.24 | ±0.24mg ND cannabidiolic acid (CBDa) 0.07 | 0.20 | ±0.20mg 487.9mg cannabidiol (CBD) 0.08 | 0.23 | ±8.47mg 0.08 | 0.23 | ±0.24mg cannabidivarin (CBDv) 1.0mg cannabigerolic acid (CBGa) ND 0.07 | 0.20 | ±0.20mg cannabigerol (CBG) 24.0mg 0.04 | 0.13 | ±0.53mg NĎ 0.04 | 0.12 | ±0.12mg cannabinol (CBN) cannabichromene (CBC) ND 0.08 | 0.23 | ±0.23mg

‡ = decarbed NT = not tested NL = no limit, ND = not detected, LOD = detection limit , LOQ = quantitation limit

Microbial	ISP-7.5.1.1	10 limit	Metals	SP-7.5.1.1	1 limit
E.coli Salmonella sp.	PASS PASS	0CFU 0CFU	Arsenic Cadmium	PASS PASS	1500 ppb 500 ppb
	PASS	10000CFU	Lead	PASS	500 ppb
Ochratoxin A Aflatoxin		20 ppb 20 ppb	Mercury	PASS	300 ppb
	ISP-7.5.1.7	limit	Pesticides	ISP-7.5.1.8	3 limit
Acetone	PASS	5000 ppm	Permethrin	PASS	20.00 ppm
Acetonitrile		410 ppm	Phosmet	PASS	0.20 ppm
Benzene	PASS	0 ppm	Piperonylbutoxide	PASS	8.00 ppm
Butane	PASS	5000 ppm	Prallethrin	PASS	0.40 ppm
Chloroform	PASS	0 ppm	Propiconazole	PASS	20.00 ppm
Cyclohexane	PASS	0 ppm	Propoxur	PASS	0.00 ppm
Ethanol	PASS	10000 ppm	Pyrethrin	PASS	1.00 ppm
Heptane		5000 ppm	Pyridaben	PASS	3.00 ppm
Hexane	PASS	290 ppm	Spinetoram	PASS	3.00 ppm
Isopropyl alcohol		5000 ppm	Spinosad	PASS	3.00 ppm
Methanol	PASS	3000 ppm	Spiromesifen	PASS	12.00 ppm
Pentane	PASS	5000 ppm	Spirotetramat	PASS	13.00 ppm
Propane	PASS	5000 ppm	Spiroxamine	PASS	0.00 ppm
Toluene	PASS	890 ppm	Tebuconazole	PASS	2.00 ppm
Xylenes	PASS	2170 ppm	Thiacloprid	PASS	0.10 ppm
			Thiamethoxam	PASS	4.50 ppm
			Trifloxystrobin	PASS	30.00 ppm

on limit			
Pesticides	MSP-7.5.1.8	limit	Pe
Abamectin	PASS	0.30 ppm	
Acephate	PASS	5.00 ppm	
Acequinocyl	PASS	4.00 ppm	
Acetamiprid	PASS	5.00 ppm	
Aldicarb	PASS	0.00 ppm	
Azoxystrobin	PASS	40.00	
Bifenazate	PASS	5:00 ppm	
Bifenthrin	PASS	0.50 ppm	
Boscalid	PASS	10.00	
Carbaryl		0.30 ppm	
Carbofuran	PASS	0.00 ppm	
Chloantraniliprole	PASS	40.00	
Chlorfenapyr		0.00 ppm	
Chlorpyrifos	PASS	0.00 ppm	
Clofentezine		0.50 ppm	
Coumaphos	PASS	0.00 ppm	
Cyfluthrin		1.00 ppm	
Cypermethrin		1.00 ppm	
Daminozide		0.00 ppm	
Dichlorvos	PASS	0.00 ppm	
Diazinon	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	0.20 ppm	
Dimethoate		0.00 ppm	
Etoxazole		1.50 ppm	
Fenoxycarb		0.00 ppm	
Fenpyroximate	PASS	2.00 ppm	

esticides MSP-7.5.1.8 limit 0.00 ppm PASS Fipronil Flonicamid **PASS** 2.00 ppm **PASS** 30.00 Fludioxonil 2.00 ppm **PASS** Hexythiazox Imazalil **PASS** 0.00 ppm Imidacloprid **PASS** 3.00 ppm 5.00 ppm **PASS** Malathion Metalaxyl **PASS** 15.00 0.000 ppm Methiocarb PASS 0.10 ppm **PASS** Methomyl Methyl parathion **PASS** 0.00 ppm Mevinphos **PASS** 0.00 ppm **PASS** 9.00 ppm Myclobutanil Naled **PASS** 0.50 ppm 0.20 ppm **PASS** Oxamyl Paclobutrazol **PASS** 0.00 ppm Permethrin PASS 20.00

INSTRUMENTS

potency: HPLC (LC2030C-UV) terpenes: GCMS (QP2020/HS20) solvents: GCMS (QP2020/HS20) pesticides: LCMSMS (LC8060) mycotoxins: LCMSMS (LC8060) microbial: qPCR (AriaMx) and plating metals: ICPMS (ICPMS-2030)

SECURITY FEATURE: WATERMARK MUST MATCH CERTIFICATE ID AND ISSUE DATE

Certified by

Justin M Johnston Deputy Director

Stillwater Laboratories Inc. MT License L00001, 7, 8 6073 US93N Suite 5 Olney MT 59927 406-881-2019

Printed 3/2/2021 1:09 PM

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https://portal.a2la.org/scopepdf/4961-01.pdf



# **Official Compliance: Colorado** CERTIFICATE OF ANALYSIS

#### **OTL450**

Batch ID or Lot Number: Reported: Test: 22026A **Microbial** 1/31/22

**Contaminants** 

Test ID: Started: **USDA License:** Matrix:

**Finished Product** T000189657 1/28/22 N/A

Methods: Sampler ID: Status: Received:

TM25 (qPCR) 01/27/2022 @ 12:11 PM N/A N/A

> TM24, TM26, TM27(Culture Plating): Microbial (Colorado Panel)

### MICROBIAL CONTAMINANTS DETERMINATION

Contaminant	Method	LOD	LLOQ	ULOQ	Result
Total Aerobic Count*	TM-26, Culture Plating	10^2 CFU/g	10^3 CFU/g	1.5x10^5 CFU/g	None Detected
Total Coliforms*	TM-27, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
Total Yeast and Mold*	TM-24, Culture Plating	10^1 CFU/g	10^2 CFU/g	1.5x10^4 CFU/g	None Detected
E. coli (STEC)	TM-25, PCR	1 CFU/25 g	NA	NA	Absent
Salmonella	TM-25, PCR	1 CFU/25 g	NA	NA	Absent

**Notes** 

Free from visual mold, mildew, and foreign matter

Sarah Henning 1/31/2022 4:57:00 PM

Eden Thompson

Eden Thompson-Wright 1/31/2022 5:04:00 PM

PREPARED BY / DATE

APPROVED BY / DATE

#### **Definitions**

LOD = Limit of Detection | LLOQ = Lower Limit of Quantitation | ULOQ = Upper Limit of Quantitation CFU/g = Colony Forming Units per Gram | STEC = Shiga Toxin-Producing E. coli

\* Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.

Examples:  $10^2 = 100 CFU$ 

10^3 = 1.000 CFU 10^4 = 10,000 CFU 10^5 = 100,000 CFU

Testing results are based solely upon the sample submitted to Botanacor Laboratories, LLC, in the condition it was received. Botanacor Laboratories, LLC warrants that all analytical work is conducted professionally in accordance with all applicable standard laboratory practices using validated methods. Data was generated using an unbroken chain of comparison to NIST traceable Reference Standards and Certified Reference Materials. This report may not be reproduced, except in full, without the written approval of Botanacor Laboratories,





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