



Certificate of Analysis
Charlotte's Web Original Formula

Test Result UID: ANL0024601
 Washington State Lot Inventory ID:
 Washington State Lab Inventory ID:
 Date Tested: 07/03/2019
 Serving Size: 30 ml = 28.65 g

Photographs



Summary

Cannabinoids:	THC Total: ND mg/g ND mg/srv	CBD Total: 64.13 mg/g 1837.26 mg/srv
Terpene Total:	9.97 mg/g 285.54 mg/srv	
Microbial:	Pass	
Pesticides:	Not Tested	
Heavy Metals:	Not Tested	
Water Activity:	Not Tested	
Solvent Total:	ND ppm	

Mycotoxins (Method: ELISA)

Aflatoxins Total:	ND ppb	Pass	Pass
Ochratoxin A Total:	< LOQ ppb	Pass	

LOQ = Limit of Quantification; LOD = Limit of Detection; NT = Not Tested; ND = Not Detected



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Potency Profile (Method: HPLC-DAD)

CBG-A	ND mg/g	ND mg/srv
CBG	ND mg/g	ND mg/srv
CBG TOTAL (CBG-A * 0.878 + CBG) ¹	ND mg/g	ND mg/srv
Δ9-THC-A	ND mg/g	ND mg/srv
Δ9-THC	ND mg/g	ND mg/srv
Δ9-THCV	ND mg/g	ND mg/srv
Δ8-THC	ND mg/g	ND mg/srv
CBN	ND mg/g	ND mg/srv
THC-TOTAL (THC-A * 0.877 + THC) ¹	ND mg/g	ND mg/srv
CBD-A	ND mg/g	ND mg/srv
CBD	64.13 mg/g	1837.26 mg/srv
CBDV-A	ND mg/g	ND mg/srv
CBDV	ND mg/g	ND mg/srv
CBD-TOTAL (CBD-A * 0.877 + CBD) ¹	64.13 mg/g	1837.26 mg/srv
CBC	4.52 mg/g	129.64 mg/srv
ACTIVATED-TOTAL (Δ9THC + 9-THCV + Δ8THC + CBN + CBD + CBDV + CBG + CBC) ²	68.65 mg/g	1966.89 mg/srv
TOTAL DETECTED CANNABINOIDS (CBDV TOTAL + THC TOTAL + CBD TOTAL + CBG TOTAL + D8THC + CBN + CBC + THCV)	68.65 mg/g	1966.89 mg/srv

1 - Cannabinoid totals are adjusted to account for the decarboxylation of the cannabinoid acids. The reported total is the amount of the activated cannabinoid that would be if all of the carboxylic acid has been removed through decarboxylation.

2 - Cannabinoids that have been activated through decarboxylation (curing/storage of flowers, or heating/cooking of edibles, tinctures, & concentrates)

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• Lab: 29 N. 1st AVE, YAKIMA, WA 98902 • 509-571-1102 • Corporate HQ: 2735 1st AVE S, SEATTLE, WA 98134 • 206-577-6998 •



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Terpene Profile (Method: HS-GC-FID)

Alpha Pinene	ND mg/g	ND mg/srv
Beta Pinene	ND mg/g	ND mg/srv
Myrcene	ND mg/g	ND mg/srv
Ocimene	ND mg/g	ND mg/srv
Limonene	0.17 mg/g	4.89 mg/srv
Terpinolene	ND mg/g	ND mg/srv
Linalool	ND mg/g	ND mg/srv
Caryophyllene	6.99 mg/g	200.29 mg/srv
Humulene	2.80 mg/g	80.35 mg/srv
Terpene Total	9.97 mg/g	285.54 mg/srv

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 Ministry of Hemp

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I-502 Microbial Analysis (Method: Plate Counting)

Bile Tolerant Gram Negative Bacteria Count	ND CFU/g	Pass
Salmonella spp.		Pass
Escherichia coli		Pass

Washington State Criteria:
 Counts not to exceed:
 10,000 Bile-tolerant Gram Negative Bacteria,
 and *E coli* and *Salmonella* not detected in one gram

Non-Mandatory Microbial Analysis (Method: Plate Counting)

Total Aerobic Plate Count	ND CFU/g
Total Yeast and Mold Count	ND CFU/g
Coliforms	ND CFU/g

TNTC = Too Numerous to Count



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Residual Solvent Test (Method: HS-GC-FID)

Propane	ND ppm	Methanol	ND ppm
Isobutane	ND ppm	Acetonitrile	ND ppm
Butane	ND ppm	Dichloromethane	ND ppm
Ethanol	Not Tested	Ethyl Acetate	ND ppm
Acetone	ND ppm	Chloroform	ND ppm
Toluene	ND ppm	Cyclohexane	ND ppm
Pentane	ND ppm	Benzene	ND ppm
Isopropanol	ND ppm	Ethyl Benzene	ND ppm
Hexane	ND ppm	m + p Xylenes	ND ppm
Heptane	ND ppm	o Xylene	ND ppm
Isopentane	Not Tested	Total Xylenes	ND ppm
Tetrahydrofuran	Not Tested		
Total Solvents			ND ppm

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Tested By

ANALYTICAL 360

Cannabis Analysis Laboratory

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Ministry of Hemp

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Analytical 360, LLC certifies that the results presented on the previous 6 pages are true and correct to the best of our knowledge. These results relate only to the sample provided by the client to Analytical 360, LLC.

Approved by: Paul D. Matthews, Ph.D.
Lab Director/Chief Science Officer

UBI: 603120434
Lab: 0004

Reference Lab:

Analytical 360 subcontracts the following assays:

Mycotoxins performed by Capitol Analysis (Lab #0022)

Labtech Notes

- None