



Certificate of Analysis
THC-Free Phytocannabinoid Rich
Hemp Oil

Page 1 of 5: Summary & Inspection
 Kava Chocolate

Test Result UID: ANL0020571
 Washington State Lot Inventory ID:
 Washington State Lab Inventory ID:
 Date Tested: 03/01/2019

Photographs



Summary

Cannabinoids:	THC Total: < 0.01 %	CBD Total:	90.17 %
	Terpene Total: 0.65 %	Solvent Total:	< 20 ppm
	Microbial: Not Tested	Pesticides:	Not Tested
	Heavy Metals: Not Tested		
	Water Activity: Not Tested	Not Tested	

Mycotoxins (Method: ELISA)

Aflatoxins Total:	Not Tested	Not Tested	Not Tested
Ochratoxin A Total:	Not Tested	Not Tested	



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Page 2 of 5: Potency
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Cannabinoid Profile (Method: HPLC-DAD)

CBG-A	< 0.01 mg/g	< 0.01 %
CBG	< 0.01 mg/g	< 0.01 %
CBG TOTAL (CBG-A * 0.878 + CBG) ¹	< 0.01 mg/g	< 0.01 %
Δ9-THC-A	< 0.01 mg/g	< 0.01 %
Δ9-THC	< 0.01 mg/g	< 0.01 %
Δ9-THCV	< 0.01 mg/g	< 0.01 %
Δ8-THC	< 0.01 mg/g	< 0.01 %
CBN	< 0.01 mg/g	< 0.01 %
THC-TOTAL (THC-A * 0.877 + THC) ¹	< 0.01 mg/g	< 0.01 %
CBD-A	20.33 mg/g	2.03 %
CBD	883.90 mg/g	88.39 %
CBDV-A	< 0.01 mg/g	< 0.01 %
CBDV	< 0.01 mg/g	< 0.01 %
CBD-TOTAL (CBD-A * 0.877 + CBD) ¹	901.73 mg/g	90.17 %
CBC	< 0.01 mg/g	< 0.01 %
ACTIVATED-TOTAL (Δ9THC + 9-THCV + Δ8THC + CBN + CBD + CBDV + CBG + CBC) ²	883.90 mg/g	88.39 %
TOTAL DETECTED CANNABINOIDS (CBDV TOTAL + THC TOTAL + CBD TOTAL + CBG TOTAL + D8THC + CBN + CBC + THCV)	901.73 mg/g	90.17 %

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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Page 3 of 5: Terpenes
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Terpene Profile (Method: HS-GC-FID)

Alpha Pinene	< 0.01 mg/g	< 0.01 %
Beta Pinene	< 0.01 mg/g	< 0.01 %
Myrcene	0.01 mg/g	< 0.01 %
Ocimene	< 0.01 mg/g	< 0.01 %
Limonene	0.04 mg/g	< 0.01 %
Terpinolene	0.02 mg/g	< 0.01 %
Linalool	0.65 mg/g	0.07 %
Caryophyllene	5.30 mg/g	0.53 %
Humulene	0.44 mg/g	0.04 %
Terpene Total	6.48 mg/g	0.65 %



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

Propane	< 20 ppm	Methanol	< 20 ppm
Isobutane	< 20 ppm	Acetonitrile	< 20 ppm
Butane	< 20 ppm	Dichloromethane	< 20 ppm
Ethanol	Not Tested	Ethyl Acetate	< 20 ppm
Acetone	< 20 ppm	Chloroform	< 2 ppm
Toluene	< 20 ppm	Cyclohexane	< 20 ppm
Pentane	< 20 ppm	Benzene	< 2 ppm
Isopropanol	< 20 ppm	Ethyl Benzene	< 20 ppm
Hexane	< 20 ppm	m + p Xylenes	< 20 ppm
Heptane	< 20 ppm	o Xylene	< 20 ppm
Isopentane	< 20 ppm	Total Xylenes	< 20 ppm
Tetrahydrofuran	< 20 ppm		
Total Solvents			< 20 ppm



Tested By

ANALYTICAL 360

Cannabis Analysis Laboratory

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Analytical 360, LLC certifies that the results presented on the previous 5 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