



Certificate of Analysis

Full Spectrum Hemp Oil Lot GLH - PCR Oil - 009

Green Lotus Hemp

Test Result UID: ANL0012132
 Washington State Lot Inventory ID:
 Washington State Lab Inventory ID:
 Date Tested: 07/05/2018

Photographs



Summary

Cannabinoids:	THC Total: < 0.01 %	CBD Total: 97.36 %
	Terpene Total: 0.03 %	Solvent Total: 140 ppm
	Microbial: Pass	Pesticides: Not Tested
	Heavy Metals: Not Tested	
	Water Activity: Not Tested	Not Tested

Mycotoxins (Method: ELISA)

Aflatoxins Total: < 4 ppb	Pass	Pass
Ochratoxin A Total: < 4 ppb	Pass	



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Page 2 of 6: 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	< 0.01 mg/g	< 0.01 %
CBD	973.59 mg/g	97.36 %
CBDV-A	< 0.01 mg/g	< 0.01 %
CBDV	< 0.01 mg/g	< 0.01 %
CBD-TOTAL (CBD-A * 0.877 + CBD) ¹	973.59 mg/g	97.36 %
CBC	< 0.01 mg/g	< 0.01 %
ACTIVATED-TOTAL (Δ9THC + 9-THCV + Δ8THC + CBN + CBD + CBDV + CBG + CBC) ²	973.59 mg/g	97.36 %
TOTAL DETECTED CANNABINOIDS (CBDV TOTAL + THC TOTAL + CBD TOTAL + CBG TOTAL + D8THC + CBN + CBC + THCV)	973.59 mg/g	97.36 %

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 6: 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	0.02 mg/g	< 0.01 %
Ocimene	< 0.01 mg/g	< 0.01 %
Limonene	< 0.01 mg/g	< 0.01 %
Terpinolene	< 0.01 mg/g	< 0.01 %
Linalool	< 0.01 mg/g	< 0.01 %
Caryophyllene	0.20 mg/g	0.02 %
Humulene	0.10 mg/g	< 0.01 %
Terpene Total	0.33 mg/g	0.03 %



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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	140 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			140 ppm



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I-502 Microbial Analysis (Method: Plate Counting)

Bile Tolerant Gram Negative Bacteria Count	< 20 CFU/g	Pass
Salmonella spp.		Pass
Escherichia coli		Pass

Washington State Criteria:
 Counts not to exceed:
 1,000 Bile-tolerant Gram Negative Bacteria for solvent extracts,
 10,000 Bile-tolerant Gram Negative Bacteria for hash and kief,
 and *E coli* and *Salmonella* not detected in one gram for all products.

Non-Mandatory Microbial Analysis (Method: Plate Counting)

Total Aerobic Plate Count	< 20 CFU/g
Total Yeast and Mold Count	20 CFU/g
Coliforms	< 20 CFU/g

TNTC = Too Numerous to Count



Tested By

ANALYTICAL 360

Cannabis Analysis Laboratory

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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 and Water Activity performed by Capitol Analysis (Lab #0022)

Labtech Notes

- None