



Certificate of Analysis
Buy Hemp CBD "3000mg"

Test Result UID: ANL0022588
 Washington State Lot Inventory ID:
 Washington State Lab Inventory ID:
 Date Tested: 04/22/2019
 Serving Size: 30 mL Bottle = 30.52 g

Photographs



Summary

| | | |
|-----------------|--------------------------------------|--|
| Cannabinoids: | THC Total: 3.19 mg/g 97.29 mg/srv | CBD Total: 105.42 mg/g 3217.51 mg/srv |
| Terpene Total: | 5.01 mg/g 152.88 mg/srv | |
| Microbial: | Pass | |
| Pesticides: | Not Tested | |
| Heavy Metals: | Not Tested | |
| Water Activity: | Not Tested | |
| Solvent Total: | < 20 ppm | |

Mycotoxins (Method: ELISA)

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



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Potency Profile (Method: HPLC-DAD)

| | | |
|---|-------------|----------------|
| CBG-A | < 0.01 mg/g | < 0.01 mg/srv |
| CBG | < 0.01 mg/g | < 0.01 mg/srv |
| CBG TOTAL (CBG-A * 0.878 + CBG) ¹ | < 0.01 mg/g | < 0.01 mg/srv |
| Δ9-THC-A | < 0.01 mg/g | < 0.01 mg/srv |
| Δ9-THC | 3.19 mg/g | 97.29 mg/srv |
| Δ9-THCV | < 0.01 mg/g | < 0.01 mg/srv |
| Δ8-THC | < 0.01 mg/g | < 0.01 mg/srv |
| CBN | < 0.01 mg/g | < 0.01 mg/srv |
| THC-TOTAL (THC-A * 0.877 + THC) ¹ | 3.19 mg/g | 97.29 mg/srv |
| CBD-A | < 0.01 mg/g | < 0.01 mg/srv |
| CBD | 105.42 mg/g | 3217.51 mg/srv |
| CBDV-A | < 0.01 mg/g | < 0.01 mg/srv |
| CBDV | < 0.01 mg/g | < 0.01 mg/srv |
| CBD-TOTAL (CBD-A * 0.877 + CBD) ¹ | 105.42 mg/g | 3217.51 mg/srv |
| CBC | 2.98 mg/g | 91.05 mg/srv |
| ACTIVATED-TOTAL (Δ9THC + 9-THCV + Δ8THC + CBN + CBD + CBDV + CBG + CBC) ² | 111.59 mg/g | 3405.85 mg/srv |
| TOTAL DETECTED CANNABINOIDS (CBDV TOTAL + THC TOTAL + CBD TOTAL + CBG TOTAL + D8THC + CBN + CBC + THCV) | 111.59 mg/g | 3405.85 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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Terpene Profile (Method: HS-GC-FID)

| | | |
|----------------------|------------------|----------------------|
| Alpha Pinene | < 0.01 mg/g | < 0.01 mg/srv |
| Beta Pinene | < 0.01 mg/g | < 0.01 mg/srv |
| Myrcene | 0.07 mg/g | 2.20 mg/srv |
| Ocimene | < 0.01 mg/g | < 0.01 mg/srv |
| Limonene | < 0.01 mg/g | < 0.01 mg/srv |
| Terpinolene | < 0.01 mg/g | < 0.01 mg/srv |
| Linalool | < 0.01 mg/g | < 0.01 mg/srv |
| Caryophyllene | 3.04 mg/g | 92.88 mg/srv |
| Humulene | 1.89 mg/g | 57.80 mg/srv |
| Terpene Total | 5.01 mg/g | 152.88 mg/srv |



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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:
 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 | < 20 CFU/g |
| Total Yeast and Mold Count | < 20 CFU/g |
| Coliforms | < 20 CFU/g |

TNTC = Too Numerous to Count



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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 | Not Tested | Total Xylenes | < 20 ppm |
| Tetrahydrofuran | Not Tested | | |
| Total Solvents | | | < 20 ppm |



Tested By

ANALYTICAL 360

Cannabis Analysis Laboratory

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Page 6 of 6: Summary & Inspection
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