



Clarity Labs, LLC
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 Miami, FL 33122
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 Email: info@Clarity-Labs.com
 Website: www.Clarity-Labs.com

CERTIFICATE of ANALYSIS

PRODUCT: USA Hempire 500mg Mint Tincture

LOT NUMBER: D30V01

DATE of 04/30/19

BATCH#: D30V01

MFG:

EXP. DATE: 05/2021

COMPLETED ON 05/26/19
(DATE):

| PHYSICAL & ANALYTICAL TESTING | | | |
|-------------------------------|--------------------------------------|-----------|-----------|
| Test Item | Specifications (Acceptance Criteria) | Results | Method |
| Color | Clear to Yellowish | YELLOWISH | Visual |
| Odor | HEMP MINT | HEMP MINT | Olfactory |
| Specific Gravity (20°C)(g/mL) | 0.9-1.1 | 0.94 | USP<841> |

| MICROBIOLOGICAL TESTING | | | |
|--------------------------------|--------------------------------------|---------|------------------|
| Test Item | Specifications (Acceptance Criteria) | Results | Method |
| Total Aerobic Microbial Count: | ≤ 1,000 CFU/g | PASS | USP<61>/Biolumix |
| Total Yeast and Mold Count: | ≤ 100 CFU/g | PASS | USP<61>/Biolumix |
| <i>Escherichia coli</i> | Negative (in 10g) | PASS | USP<62>/Biolumix |
| <i>Salmonella spp</i> | Negative (in 10g) | PASS | USP<62>/Biolumix |

| ANALYTICAL TESTING | | | |
|---|--------------------------------------|------------------|----------|
| Active Ingredient | Specifications (Acceptance Criteria) | Results | Method |
| Hemp derived Cannabidiol (CBD) [Assay for Total Cannabinoid content (-5%/+10%)] | 475 – 550 mg/bottle | 507.1 mg/ bottle | USP<791> |

The information contained herein is, to the best of our knowledge, correct. The data outlined and statements made in this report are intended only as a source of information and for the exclusive use of the person, partnership or corporation to whom it is addressed. This report cannot be used in connection with advertisement or sales of the intended product without written authorization.

AGREED and ATTESTED TO:

Megan Alfonso, Pharm.D.
 Name – Director/Manager of Quality

05/26/19
 Date

Client  **Website** 



Website  **Lab** 

Label: UHF0002-500mg Hempire Oil


Client: | Clarity Labs, LLC
 Batch Number: | D30V01
 Internal Number: | BT-345-10959
 Container: | Bottle
 Type: | Tincture

Botanica Testing Inc.

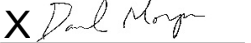
747 SW 2nd Ave, Suite 306 IMB 12
 Gainesville, FL 32601
 317-361-5044
 Adam@botanicatesting.com
 Dan@botanicatesting.com
<https://botanicatesting.com/>



Conclusion:

X 
 Adam Christensen
 Chief Executive Officer



X 
 Daniel Morgan Ph.D.
 Chief Scientific Officer

Results: Bottle
 CBD (mg) - 30ml
507.1

Total CBD
1.69%

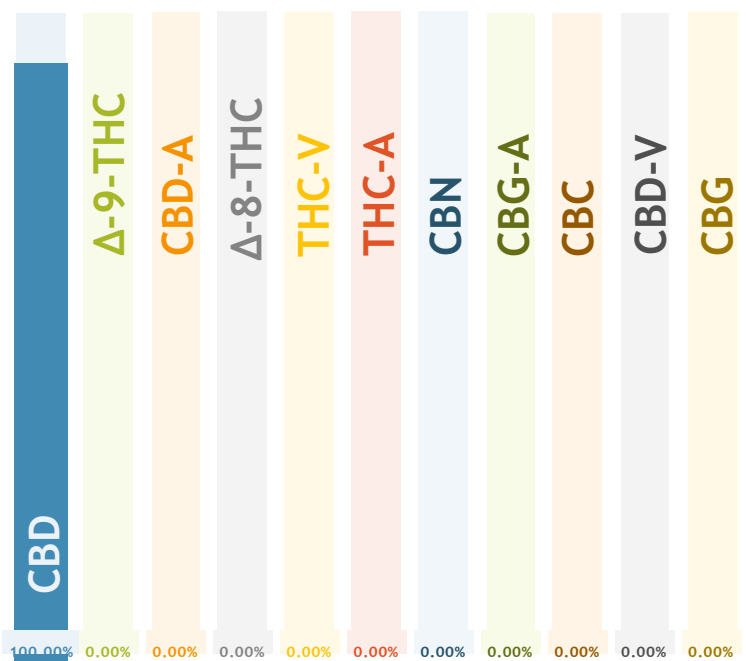
Total THC
0.00%



Cannabinoids By Weight:

| Cannabinoids | mg/g | % |
|-------------------|--------------|-------|
| CBD | 16.90 | 1.69% |
| Δ-9-THC | ND | ND |
| CBD-A | ND | ND |
| Δ-8-THC | ND | ND |
| THC-V | ND | ND |
| THC-A | ND | ND |
| CBN | ND | ND |
| CBG-A | ND | ND |
| CBC | ND | ND |
| CBD-V | ND | ND |
| CBG | ND | ND |
| Total mg/g | 16.90 | |

Percentage of Total Cannabinoids



Client  **Website** 

Website  **Lab** 

Sample: UHF0002-500mg Hempire Oil

Aroma Profile

Client: | Clarity Labs, LLC
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 Type: | Tincture



Conclusion:

Adam Christensen Adam Christensen
 Chief Executive Officer

Daniel Morgan Daniel Morgan Ph.D.
 Chief Scientific Officer

| Percent Identified: 0.00% | |
|----------------------------------|----|
| Top Terpenes | % |
| Myrcene | ND |
| beta-Caryophyllene | ND |
| Limonene | ND |
| alpha-Pinene | ND |
| Terpinolene | ND |
| | ND |
| | ND |
| | ND |
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Client |  | **Website**



Website |  | **Lab**



Label: UHF0002-500mg Hempire Oil

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X *Adam Christensen*
 Adam Christensen
 Chief Executive Officer

X *Daniel Morgan*
 Daniel Morgan Ph.D.
 Chief Scientific Officer

Pesticides

| | | | |
|----|-----|-----|----|
| NT | NT | NT | NT |
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| | PPB | PPB | |

Microbials

| | |
|------------------|----------|
| Yeast | ND CFU/g |
| Mold | ND CFU/g |
| E.coli | ND CFU/g |
| Coliform | ND CFU/g |
| Aerobic Bacteria | ND CFU/g |
| Enterobacteria | ND CFU/g |
| | CFU/g |

Residual Solvents

| | | | |
|------------|-----|-----|------------------|
| Isopentane | NT | NT | Acetonitrile |
| Propane | NT | NT | Tetrahydrofuran |
| Acetone | NT | NT | Toluene |
| Isobutane | NT | NT | Choloroform |
| Ethanol | NT | NT | C-Terracholoride |
| n-Heptane | NT | NT | Benzene |
| n-Hexane | NT | NT | M-xylene |
| n-Butane | NT | NT | P-xylene |
| n-Pentane | NT | NT | O-xylene |
| 2-Propanol | NT | | |
| | PPM | PPM | |

Heavy Metals

| | | | |
|---------------------------------------|-----------|---------------------------------------|-----------|
| 82 Pb Lead 207.2 | NT PPM | 48 Cd Cadmium 112.414 | NT PPM |
| 80 Hg Mercury 200.592 | NT PPM | 33 As Arsenic 74.922 | NT PPM |

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 - Results relate only to the material and batch number analyzed.
 - Total THC = (THC-A*0.877)+THC Total CBD = (CBD-A*0.877)+CBD

| Pesticide | conc. | LOQ (ppb) | Pesticide | conc. | LOQ (ppb) | Pesticide | conc. | LOQ (ppb) |
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