

CERTIFICATE OF ANALYSIS

DATE ISSUED 07/31/2024

SAMPLE NAME: Arthridiol - Topical Stick - 3000mg

Infused, Topical

CULTIVATOR / MANUFACTURER

Business Name: License Number:

Address:

SAMPLE DETAIL

Batch Number:

Sample ID: 240719K018

DISTRIBUTOR / TESTED FOR

Business Name: Erth, LLC

License Number:

Address: CA

Date Collected: 07/19/2024 Date Received: 07/19/2024

Batch Size:

Sample Size: 1.0 units

Unit Mass: 33 grams per Unit

Serving Size:







Scan QR code to verify authenticity of results.

CANNABINOID ANALYSIS - SUMMARY

Total THC: Not Detected

Total CBD: 2880.603 mg/unit

Total Cannabinoids: 2893.011 mg/unit

Total THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during the decarboxylation step:

Total THC = Δ^9 -THC + (THCa (0.877)) Total CBD = CBD + (CBDa (0.877))

Sum of Cannabinoids = Δ^9 -THC + THCa + CBD + CBDa + CBG + CBGa + Sum of Cannabinoids: 2893.011 mg/unit THCV + THCVa + CBC + CBCa + CBDV + CBDVa + Δ^8 -THC + CBL + CBN Total Cannabinoids = $(\Delta^9$ -THC+0.877*THCa) + (CBD+0.877*CBDa) + (CBG+0.877*CBGa) + (THCV+0.877*THCVa) + (CBC+0.877*CBCa) +

(CBDV+0.877*CBDVa) + Δ ⁸-THC + CBL + CBN

SAFETY ANALYSIS - SUMMARY

 Δ^9 -THC per Unit: \bigcirc PASS

Residual Solvents: PASS Foreign Material: PASS

Pesticides: PASS

Heavy Metals: PASS

Mycotoxins: PASS

Microbiology (PCR): PASS

For quality assurance purposes. Not a Regulatory Hemp Lab Test Report. These results relate only to the sample included on this report. This report shall not be reproduced, except in full, without written approval of the laboratory.

Sample Certification: California Code of Regulations Title 4 Division 19. Department of Cannabis Control Business and Professions Code. Reference: Sections 26100, 26104 and 26110, Business and Professions Code.

Decision Rule: Statements of conformity (e.g. Pass/Fail) to specifications are made in this report without taking measurement uncertainty into account. Where statements of conformity are made in this report, the following $decision\ rules\ are\ applied:\ PASS-Results\ within\ limits/specifications,\ FAIL-Results\ exceed\ limits/specifications.$

References: limit of detection (LOD), limit of quantification (LOQ), not detected (ND), not tested (NT)

Approved by: Josh Wurzer Title: Chief Compliance Officer Date: 07/31/2024

Amendment to Certificate of Analysis 240719K018-002



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Cannabinoid Analysis

Tested by high-performance liquid chromatography with diode-array detection (HPLC-DAD).

Method: QSP 1157 - Analysis of Cannabinoids by HPLC-DAD

TOTAL THC: Not Detected Total THC (Δ^9 -THC+0.877*THCa)

TOTAL CBD: 2880.603 mg/unit

Total CBD (CBD+0.877*CBDa)

TOTAL CANNABINOIDS: 2893.011 mg/unit

 $\begin{array}{l} Total \ Cannabinoids \ (Total \ THC) + (Total \ CBD) + \\ (Total \ CBG) + (Total \ THCV) + (Total \ CBC) + \\ (Total \ CBDV) + \Delta^8 - THC + CBL + CBN \end{array}$

TOTAL CBG: ND

Total CBG (CBG+0.877*CBGa)

TOTAL THCV: ND

Total THCV (THCV+0.877*THCVa)

TOTAL CBC: ND
Total CBC (CBC+0.877*CBCa)

TOTAL CBDV: 12.408 mg/unit

Total CBDV (CBDV+0.877*CBDVa)

CANNABINOID TEST RESULTS - 07/23/2024

| | COMPOUND | LOD/LOQ (mg/g) | MEASUREMENT UNCERTAINTY (mg/g) | RESULT (mg/g) | RESULT (%) |
|---|---------------------|-------------------|-----------------------------------|------------------|---------------|
| Ī | CBD | 0.004 / 0.011 | ±3.2560 | 87.291 | 8.7291 |
| | CBDV | 0.002/0.012 | ±0.0153 | 0.376 | 0.0376 |
| | ∆ ⁹ -THC | 0.002/0.014 | N/A | ND | ND |
| | Δ ⁸ -THC | 0.01 / 0.02 | N/A | ND | ND |
| | THCa | 0.001 / 0.005 | N/A | ND | ND |
| | THCV | 0.002/0.012 | N/A | ND | ND |
| | THCVa | 0.002/0.019 | N/A | ND | ND |
| | CBDa | 0.001 / 0.026 | N/A | ND | ND |
| t | CBDVa | 0.001/0.018 | N/A | ND | ND |
| ١ | CBG | 0.002 / 0.006 | N/A | ND | ND |
| | CBGa | 0.002 / 0.007 | N/A | ND | ND |
| | CBL | 0.003 / 0.010 | N/A | ND | ND |
| | CBN | 0.001 / 0.007 | N/A | ND | ND |
| | СВС | 0.003/0.010 | N/A | ND | ND |
| | CBCa | 0.001 / 0.015 | N/A | ND | ND |
| | SUM OF CANNAE | BINOIDS | | 87.667 mg/g | 8.7667% |

Unit Mass: 33 grams per Unit

| Δ^9 -THC per Unit | 1100 per-package limit | ND | PASS |
|------------------------------|------------------------|------------------|------|
| Total THC per Unit | | ND | |
| CBD per Unit | | 2880.603 mg/unit | |
| Total CBD per Unit | | 2880.603 mg/unit | |
| Sum of Cannabinoids per Unit | | 2893.011 mg/unit | |
| Total Cannabinoids per Unit | | 2893.011 mg/unit | |



Pesticide Analysis

Pesticide and plant growth regulator analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS) or gas chromatography-mass spectrometry (GC-MS).

*GC-MS utilized where indicated.

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS or QSP 1213 - Analysis of Pesticides by GC-MS

Exclusions¹ see last page

PESTICIDE TEST RESULTS - 07/30/2024 **⊘** PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (μg/g) | RESULT (µg/g) | RESULT |
|--------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Abamectin | 0.03 / 0.10 | 0.3 | N/A | ND | PASS |
| Acephate | 0.02 / 0.07 | 5 | N/A | ND | PASS |
| Acequinocyl | 0.02 / 0.07 | 4 | N/A | ND | PASS |
| Acetamiprid | 0.02 / 0.05 | 5 | N/A | ND | PASS |
| Aldicarb | 0.03 / 0.08 | ≥LOD | N/A | ND | PASS |
| Azoxystrobin | 0.02 / 0.07 | 40 | N/A | ND | PASS |
| Bifenazate | 0.01 / 0.04 | 5 | N/A | ND | PASS |
| Bifenthrin | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Boscalid | 0.03 / 0.09 | 10 | N/A | ND | PASS |
| Captan | 0.19 / 0.57 | 5 | N/A | ND | PASS |
| Carbaryl | 0.02 / 0.06 | 0.5 | N/A | ND | PASS |

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Hemp Quality Assurance Testing CERTIFICATE OF ANALYSIS

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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - 07/30/2024 continued **⊘** PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (µg/g) | RESULT (µg/g) | RESULT |
|--------------------------|--------------------------|------------------------|-----------------------------------|------------------------------|--------|
| Carbofuran | 0.02 / 0.05 | ≥LOD | N/A | ND | PASS |
| Chlorantraniliprole | 0.04 / 0.12 | 40 | N/A | ND | PASS |
| Chlordane* | 0.03 / 0.08 | ≥LOD | N/A | ND | PASS |
| Chlorfenapyr* | 0.03 / 0.10 | ≥LOD | N/A | ND | PASS |
| Chlorpyrifos | 0.02 / 0.06 | | N/A | <loq< th=""><th></th></loq<> | |
| Clofentezine | 0.03 / 0.09 | 0.5 | N/A | ND | PASS |
| Coumaphos | 0.02 / 0.07 | ≥LOD | N/A | ND | PASS |
| Cyfluthrin | 0.12 / 0.38 | 1 | N/A | ND | PASS |
| Cypermethrin | 0.11/0.32 | 1 | N/A | ND | PASS |
| Daminozide | 0.02 / 0.07 | ≥LOD | N/A | ND | PASS |
| Diazinon | 0.02 / 0.05 | 0.2 | N/A | ND | PASS |
| Dichlorvos (DDVP) | 0.03 / 0.09 | ≥LOD | N/A | ND | PASS |
| Dimethoate | 0.03 / 0.08 | ≥LOD | N/A | ND | PASS |
| Dimethomorph | 0.03 / 0.09 | 20 | N/A | ND | PASS |
| Ethoprophos | 0.03 / 0.10 | ≥LOD | N/A | ND | PASS |
| Etofenprox | 0.02 / 0.06 | ≥LOD | N/A | ND | PASS |
| Etoxazole | 0.02 / 0.06 | 1.5 | N/A | ND | PASS |
| Fenhexamid | 0.03 / 0.09 | 10 | N/A | ND | PASS |
| Fenoxycarb | 0.03 / 0.08 | ≥LOD | N/A | ND | PASS |
| Fenpyroximate | 0.02 / 0.06 | 2 | N/A | ND | PASS |
| Fipronil | 0.03 / 0.08 | ≥ LOD | N/A | ND | PASS |
| Flonicamid | 0.03 / 0.10 | 2 | N/A | ND | PASS |
| Fludioxonil | 0.03 / 0.10 | 30 | N/A | ND | PASS |
| Hexythiazox | 0.02 / <mark>0.07</mark> | 2 | N/A | ND | PASS |
| lmazalil | 0.02/0.06 | ≥LOD | N/A | ND | PASS |
| Imidacloprid | 0.04/0.11 | 3 | N/A | ND | PASS |
| Kresoxim-methyl | 0.02 / 0.07 | 1 | N/A | ND | PASS |
| Malathion | 0.03 / 0.09 | 5 | N/A | ND | PASS |
| Metalaxyl | 0.02 / 0.07 | 15 | N/A | ND | PASS |
| Methiocarb | 0.02 / 0.07 | ≥LOD | N/A | ND | PASS |
| Methomyl | 0.03 / 0.10 | 0.1 | N/A | ND | PASS |
| Mevinphos | 0.03/0.09 | ≥LOD | N/A | ND | PASS |
| Myclobutanil | 0.03 / 0.09 | 9 | N/A | ND | PASS |
| Naled | 0.02 / 0.07 | 0.5 | N/A | ND | PASS |
| Oxamyl | 0.04/0.11 | 0.2 | N/A | ND | PASS |
| Paclobutrazol | 0.02 / 0.05 | ≥LOD | N/A | ND | PASS |
| Parathion-methyl | 0.03/0.10 | ≥LOD | N/A | ND | PASS |
| Pentachloronitrobenzene* | 0.03/0.09 | 0.2 | N/A | ND | PASS |
| Permethrin | 0.04 / 0.12 | 20 | N/A | ND | PASS |
| Phosmet | 0.03 / 0.10 | 0.2 | N/A | ND | PASS |
| Piperonyl Butoxide | 0.02 / 0.07 | 8 | N/A | ND | PASS |

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Pesticide Analysis Continued

PESTICIDE TEST RESULTS - 07/30/2024 continued PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (μg/g) | RESULT (µg/g) | RESULT |
|-----------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Prallethrin | 0.03 / 0.08 | 0.4 | N/A | ND | PASS |
| Propiconazole | 0.02 / 0.07 | 20 | N/A | ND | PASS |
| Propoxur | 0.03 / 0.09 | ≥LOD | N/A | ND | PASS |
| Pyrethrins | 0.04 / 0.12 | 1 | N/A | ND | PASS |
| Pyridaben | 0.02 / 0.07 | 3 | N/A | ND | PASS |
| Spinetoram | 0.02 / 0.07 | 3 | N/A | ND | PASS |
| Spinosad | 0.02 / 0.07 | 3 | N/A | ND | PASS |
| Spiromesifen | 0.02 / 0.05 | 12 | N/A | ND | PASS |
| Spirotetramat | 0.02 / 0.06 | 13 | N/A | ND | PASS |
| Spiroxamine | 0.03 / 0.08 | ≥LOD | N/A | ND | PASS |
| Tebuconazole | 0.02 / 0.07 | 2 | N/A | ND | PASS |
| Thiacloprid | 0.03 / 0.10 | ≥LOD | N/A | ND | PASS |
| Thiamethoxam | 0.03 / 0.10 | 4.5 | N/A | ND | PASS |
| Trifloxystrobin | 0.03 / 0.08 | 30 | N/A | ND | PASS |



Mycotoxin Analysis

Mycotoxin analysis utilizing high-performance liquid chromatography-mass spectrometry (HPLC-MS).

Method: QSP 1212 - Analysis of Pesticides and Mycotoxins by LC-MS

MYCOTOXIN TEST RESULTS - 07/29/2024 OPASS

| COMPOUND | LOD/LOQ (µg/kg) | ACTION LIMIT (µg/kg) | MEASUREMENT UNCERTAINTY (μg/kg) | RESULT (µg/kg) | RESULT |
|-----------------|--------------------|-------------------------|------------------------------------|-------------------|--------|
| Aflatoxin B1 | 2.0 / 6.0 | | N/A | ND | |
| Aflatoxin B2 | 1.8 / 5.6 | | N/A | ND | |
| Aflatoxin G1 | 1.0 / 3.1 | | N/A | ND | |
| Aflatoxin G2 | 1.2 / 3.5 | | N/A | ND | |
| Total Aflatoxin | | 20 | | ND | PASS |
| Ochratoxin A | 6.3 / 19.2 | 20 | N/A | ND | PASS |



Residual Solvents Analysis

Residual Solvent analysis utilizing gas chromatography-mass spectrometry (GC-MS).

Method: QSP 1204 - Analysis of Residual Solvents by GC-MS

RESIDUAL SOLVENTS TEST RESULTS - 07/27/2024 **⊘** PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (μg/g) | RESULT (µg/g) | RESULT |
|---------------|-------------------|------------------------|-----------------------------------|------------------|--------|
| Propane | 10/20 | 5000 | N/A | ND | PASS |
| n-Butane | 10/50 | 5000 | N/A | ND | PASS |
| n-Pentane | 20/50 | 5000 | ±1.8 | 80 | PASS |
| n-Hexane | 2/5 | 290 | N/A | ND | PASS |
| n-Heptane | 20/60 | 5000 | N/A | ND | PASS |
| Benzene | 0.03/0.09 | 1 | ±0.005 | 0.09 | PASS |
| Toluene | 7/21 | 890 | N/A | ND | PASS |
| Total Xylenes | 50 / 160 | 2170 | N/A | ND | PASS |
| Methanol | 50/200 | 3000 | N/A | ND | PASS |
| Ethanol | 20/50 | | N/A | ND | |

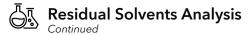
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RESIDUAL SOLVENTS TEST RESULTS - 07/27/2024 continued PASS

| COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (µg/g) | MEASUREMENT UNCERTAINTY (μg/g) | RESULT (μg/g) | RESULT |
|---|-------------------|------------------------|-----------------------------------|----------------------------------|--------|
| 2-Propanol (Isopropyl Alcohol) | 10/40 | | N/A | ND | |
| Acetone | 20/50 | 5000 | N/A | <loq< th=""><th>PASS</th></loq<> | PASS |
| Ethyl Ether | 20/50 | 5000 | N/A | ND | PASS |
| Ethylene Oxide | 0.3 / 0.8 | 1 | N/A | ND | PASS |
| Ethyl Acetate | 20/60 | 5000 | N/A | ND | PASS |
| Chloroform | 0.1 / 0.2 | 1 | N/A | ND | PASS |
| Dichloromethane (Methylene Chloride) | 0.3/0.9 | 1 | N/A | ND | PASS |
| Trichloroethylene | 0.1 / 0.3 | 1 | N/A | ND | PASS |
| 1,2-Dichloroethane | 0.05 / 0.1 | 1 | N/A | ND | PASS |
| Acetonitrile | 2/7 | 410 | N/A | ND | PASS |



Heavy Metals Analysis

Heavy metal analysis utilizing inductively coupled plasma-mass spectrometry (ICP-MS).

Method: QSP 1160 - Analysis of Heavy Metals by ICP-MS

HEAVY METALS TEST RESULTS - 07/26/2024 PASS

| | COMPOUND | LOD/LOQ (µg/g) | ACTION LIMIT (μg/g) | MEASUREMENT UNCERTAINTY (μg/g) | RESULT (μg/g) | RESULT |
|---|----------|-------------------|------------------------|-----------------------------------|----------------------------------|--------|
| | Arsenic | 0.02 / 0.1 | 1.5 | N/A | <loq< th=""><th>PASS</th></loq<> | PASS |
| | Cadmium | 0.02 / 0.05 | 0.5 | N/A | ND | PASS |
| Ī | Lead | 0.04 / 0.1 | 0.5 | N/A | ND | PASS |
| | Mercury | 0.002 / 0.01 | 3 | N/A | ND | PASS |



Microbiology Analysis

Analysis conducted by polymerase chain reaction (PCR) and fluorescence detection of microbiological contaminants.

Method: QSP 1221 - Analysis of Microbiological Contaminants

MICROBIOLOGY TEST RESULTS (PCR) - 07/30/2024 PASS

| COMPOUND | ACTION LIMIT | RESULT | RESULT |
|--|--------------------|--------|--------|
| Shiga toxin-producing Escherichia coli | Not Detected in 1g | ND | PASS |
| Salmonella spp. | Not Detected in 1g | ND | PASS |



Foreign Material Analysis

Visual analysis includes, but is not limited to, sand, soil, cinders, dirt, mold, hair, insect fragments, and mammalian excreta.

Method: QSP 1226 - Analysis of Foreign Material in Cannabis and Cannabis Products

FOREIGN MATERIAL TEST RESULTS - 07/26/2024 PASS

| COMPOUND | ACTION LIMIT | RESULT | RESULT |
|--|-----------------|--------|--------|
| Total Sample Area Covered by Sand, Soil, Cinders, or Dirt | >25% | None | PASS |
| Total Sample Area Covered by Mold | >25% | None | PASS |
| Total Sample Area Covered by an Imbedded Foreign Material | >25% | None | PASS |
| Insect Fragment Count | > 1 per 3 grams | 0.0 | PASS |
| Hair Count | > 1 per 3 grams | 0.0 | PASS |
| Mammalian Excreta Count | > 1 per 3 grams | 0.0 | PASS |

Reason for Amendment: Order Detail Information Change

1. Exclusions: Sample Certification