



# Water-Soluble Hemp Cannabinol

Sample ID: 2201CRG0146.0378  
Strain: CBN  
Matrix: Concentrates & Extracts  
Type: Cannabinoid Isolate  
Sample Size: 1 units; Batch:

Produced:  
Collected:  
Received: 01/27/2022  
Completed: 02/04/2022  
Batch#: 2027081WKR13

Client  
**Rising Sun Exports**  
Lic. #  
2777 Yulupa Ave.  
Santa Rosa, CA 95405



## Summary

| Test              | Date Tested | Result |
|-------------------|-------------|--------|
| Batch             |             | Pass   |
| Cannabinoids      | 01/28/2022  | Pass   |
| Residual Solvents | 01/28/2022  | Pass   |
| Microbials        | 02/01/2022  | Pass   |
| Mycotoxins        | 01/31/2022  | Pass   |
| Pesticides        | 01/31/2022  | Pass   |
| Heavy Metals      | 01/31/2022  | Pass   |
| Foreign Matter    | 01/27/2022  | Pass   |

## Cannabinoids

Pass

|                              |                              |  |  |
|------------------------------|------------------------------|--|--|
| <b>ND</b><br>ND<br>Total THC | <b>ND</b><br>ND<br>Total CBD | <b>2.303%</b><br>23.030 mg/g<br>Total Cannabinoids | <b>2.303%</b><br>23.030 mg/g<br>Total Unconverted Cannabinoids |
|------------------------------|------------------------------|--|--|

| Analyte      | LOD  | LOQ  | Results      | Results      |
|--------------|------|------|--------------|--------------|
|              | mg/g | mg/g | %            | mg/g         |
| THCa         | 0.01 | 0.01 | ND           | ND           |
| Δ9-THC       | 0.00 | 0.01 | ND           | ND           |
| Δ8-THC       | 0.01 | 0.01 | ND           | ND           |
| THCV         | 0.01 | 0.01 | ND           | ND           |
| CBDa         | 0.01 | 0.01 | ND           | ND           |
| CBD          | 0.00 | 0.01 | ND           | ND           |
| CBDV         | 0.01 | 0.01 | ND           | ND           |
| CBN          | 0.00 | 0.01 | 2.303        | 23.03        |
| CBGa         | 0.01 | 0.01 | ND           | ND           |
| CBG          | 0.00 | 0.01 | ND           | ND           |
| CBC          | 0.01 | 0.01 | ND           | ND           |
| <b>Total</b> |      |      | <b>2.303</b> | <b>23.03</b> |

Notes:  
Method: HPLC SOP-420  
Total THC = THCa \* 0.877 + Δ9-THC; Total CBD = CBDa \* 0.877 + CBD  
LOQ = Limit of Quantitation; The reported result is based on a sample weight with the applicable moisture content for that sample; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

|   |   |                               |
|---|---|-------------------------------|
| <b>NT</b><br>Not Tested<br>Moisture Content | <b>NT</b><br>Not Tested<br>Water Activity | <b>Pass</b><br>Foreign Matter |
|---|---|-------------------------------|



*Seth Dixon*  
Seth Dixon, Ph.D.  
Lab Director  
02/04/2022

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Methods: Foreign Matter Analysis Microscopy SOP-421; Moisture Content MOC63u SOP-422; Water Activity Rotronics Water Activity Probe SOP-428. This product has been tested by California Ag Labs using valid testing methodologies and a quality system as required by state law. All LQC samples were performed and met the prescribed acceptance criteria in 16 CCR section 5730, pursuant to 16 CCR section 5726(e)(13). Values reported relate only to the product tested. California Ag Labs makes no claims as to the efficacy, safety or other risks associated with any detected or non-detected levels of any compounds reported herein. This Certificate shall not be reproduced except in full, without the written approval of California Ag Labs.



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### Pesticides

Pass

| Analyte             | LOD   | LOQ   | Limit  | Results | Status | Analyte                 | LOD   | LOQ   | Limit | Results | Status |
|---------------------|-------|-------|--------|---------|--------|-------------------------|-------|-------|-------|---------|--------|
|                     | µg/g  | µg/g  | µg/g   | µg/g    |        |                         | µg/g  | µg/g  | µg/g  | µg/g    |        |
| Abamectin           | 0.004 | 0.031 | 0.100  | ND      | Pass   | Fludioxonil             | 0.004 | 0.031 | 0.100 | ND      | Pass   |
| Acephate            | 0.008 | 0.031 | 0.100  | ND      | Pass   | Hexythiazox             | 0.004 | 0.031 | 0.100 | ND      | Pass   |
| Acequinocyl         | 0.007 | 0.031 | 0.100  | ND      | Pass   | Imazalil                | 0.010 | 0.031 | 0.010 | ND      | Pass   |
| Acetamiprid         | 0.004 | 0.031 | 0.100  | ND      | Pass   | Imidacloprid            | 0.005 | 0.031 | 5.000 | ND      | Pass   |
| Aldicarb            | 0.010 | 0.031 | 0.010  | ND      | Pass   | Kresoxim Methyl         | 0.007 | 0.031 | 0.100 | ND      | Pass   |
| Azoxystrobin        | 0.006 | 0.031 | 0.100  | ND      | Pass   | Malathion               | 0.009 | 0.031 | 0.500 | ND      | Pass   |
| Bifenazate          | 0.005 | 0.031 | 0.100  | ND      | Pass   | Metaxyl                 | 0.004 | 0.031 | 2.000 | ND      | Pass   |
| Bifenthrin          | 0.007 | 0.031 | 3.000  | ND      | Pass   | Methiocarb              | 0.010 | 0.031 | 0.010 | ND      | Pass   |
| Boscalid            | 0.006 | 0.031 | 0.100  | ND      | Pass   | Methomyl                | 0.006 | 0.031 | 1.000 | ND      | Pass   |
| Captan              | 0.051 | 0.063 | 0.700  | ND      | Pass   | Mevinphos               | 0.015 | 0.031 | 0.015 | ND      | Pass   |
| Carbaryl            | 0.003 | 0.031 | 0.500  | ND      | Pass   | Myclobutanil            | 0.007 | 0.031 | 0.100 | ND      | Pass   |
| Carbofuran          | 0.010 | 0.031 | 0.010  | ND      | Pass   | Naled                   | 0.004 | 0.031 | 0.100 | ND      | Pass   |
| Chlorantraniliprole | 0.006 | 0.031 | 10.000 | ND      | Pass   | Oxamyl                  | 0.004 | 0.031 | 0.500 | ND      | Pass   |
| Chlordane           | 0.030 | 0.063 | 0.030  | ND      | Pass   | Paclbutrazol            | 0.010 | 0.031 | 0.010 | ND      | Pass   |
| Chlorfenapyr        | 0.030 | 0.063 | 0.030  | ND      | Pass   | Parathion Methyl        | 0.030 | 0.063 | 0.030 | ND      | Pass   |
| Chlorpyrifos        | 0.010 | 0.031 | 0.010  | ND      | Pass   | Pentachloronitrobenzene | 0.025 | 0.063 | 0.100 | ND      | Pass   |
| Clofentezine        | 0.013 | 0.031 | 0.100  | ND      | Pass   | Permethrin              | 0.012 | 0.031 | 0.500 | ND      | Pass   |
| Coumaphos           | 0.010 | 0.031 | 0.010  | ND      | Pass   | Phosmet                 | 0.006 | 0.031 | 0.100 | ND      | Pass   |
| Cyfluthrin          | 0.039 | 0.063 | 2.000  | ND      | Pass   | Piperonyl Butoxide      | 0.005 | 0.031 | 3.000 | ND      | Pass   |
| Cypermethrin        | 0.036 | 0.063 | 1.000  | ND      | Pass   | Prallethrin             | 0.008 | 0.031 | 0.100 | ND      | Pass   |
| Daminozide          | 0.030 | 0.063 | 0.030  | ND      | Pass   | Propiconazole           | 0.006 | 0.031 | 0.100 | ND      | Pass   |
| Diazinon            | 0.004 | 0.031 | 0.100  | ND      | Pass   | Propoxur                | 0.010 | 0.031 | 0.010 | ND      | Pass   |
| Dichlorvos          | 0.010 | 0.031 | 0.010  | ND      | Pass   | Pyrethrins              | 0.006 | 0.031 | 0.500 | ND      | Pass   |
| Dimethoate          | 0.010 | 0.031 | 0.010  | ND      | Pass   | Pyridaben               | 0.004 | 0.031 | 0.100 | ND      | Pass   |
| Dimethomorph        | 0.012 | 0.031 | 2.000  | ND      | Pass   | Spinetoram              | 0.017 | 0.031 | 0.100 | ND      | Pass   |
| Ethoprophos         | 0.010 | 0.031 | 0.010  | ND      | Pass   | Spinosad                | 0.017 | 0.031 | 0.100 | ND      | Pass   |
| Etofenprox          | 0.010 | 0.031 | 0.010  | ND      | Pass   | Spiromesifen            | 0.007 | 0.031 | 0.100 | ND      | Pass   |
| Etoxazole           | 0.003 | 0.031 | 0.100  | ND      | Pass   | Spirotetramat           | 0.005 | 0.031 | 0.100 | ND      | Pass   |
| Fenhexamid          | 0.012 | 0.031 | 0.100  | ND      | Pass   | Spiroxamine             | 0.010 | 0.031 | 0.010 | ND      | Pass   |
| Fenoxycarb          | 0.010 | 0.031 | 0.010  | ND      | Pass   | Tebuconazole            | 0.006 | 0.031 | 0.100 | ND      | Pass   |
| Fenpyroximate       | 0.003 | 0.031 | 0.100  | ND      | Pass   | Thiacloprid             | 0.010 | 0.031 | 0.010 | ND      | Pass   |
| Fipronil            | 0.010 | 0.031 | 0.010  | ND      | Pass   | Thiamethoxam            | 0.006 | 0.031 | 5.000 | ND      | Pass   |
| Flonicamid          | 0.008 | 0.031 | 0.100  | ND      | Pass   | Trifloxystrobin         | 0.002 | 0.031 | 0.100 | ND      | Pass   |

Date Tested: 01/31/2022

Method: LC-MS/MS& GC-MS/MS SOP-426. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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02/04/2022

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### Microbials

Pass

#### Analyte

#### Results

#### Status

| Analyte                       | Results            | Status |
|-------------------------------|--------------------|--------|
| Shiga toxin-producing E. Coli | Not Detected in 1g | Pass   |
| Salmonella SPP                | Not Detected in 1g | Pass   |
| Aspergillus flavus            | Not Detected in 1g | Pass   |
| Aspergillus fumigatus         | Not Detected in 1g | Pass   |
| Aspergillus niger             | Not Detected in 1g | Pass   |
| Aspergillus terreus           | Not Detected in 1g | Pass   |

Date Tested: 02/01/2022

Method: qPCR SOP-424. TNTC = Too Numerous to Count; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

### Mycotoxins

Pass

#### Analyte

#### LOD

#### LOQ

#### Limit

#### Results

#### Status

| Analyte          | LOD<br>µg/kg | LOQ<br>µg/kg | Limit<br>µg/kg | Results<br>µg/kg | Status |
|------------------|--------------|--------------|----------------|------------------|--------|
| B1               | 4.96         | 5            |                | ND               | Tested |
| B2               | 3.56         | 5            |                | ND               | Tested |
| G1               | 4.92         | 5            |                | ND               | Tested |
| G2               | 4.02         | 5            |                | ND               | Tested |
| Total Aflatoxins | 4.96         | 5            | 20             | ND               | Pass   |
| Ochratoxin A     | 4.95         | 5            | 20             | ND               | Pass   |

Date Tested: 01/31/2022

Method: LC-MS/MS SOP-425. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.

### Heavy Metals

Pass

#### Analyte

#### LOD

#### LOQ

#### Limit

#### Results

#### Status

| Analyte | LOD<br>µg/g | LOQ<br>µg/g | Limit<br>µg/g | Results<br>µg/g | Status |
|---------|-------------|-------------|---------------|-----------------|--------|
| Arsenic | 0.0637      | 0.0976565   | 1.5           | ND              | Pass   |
| Cadmium | 0.06455     | 0.0976565   | 0.5           | ND              | Pass   |
| Lead    | 0.07025     | 0.0976565   | 0.5           | ND              | Pass   |
| Mercury | 0.0756      | 0.0976565   | 3             | ND              | Pass   |

Date Tested: 01/31/2022

Method: ICP-MS SOP-423. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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02/04/2022

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### Residual Solvents

Pass

| Analyte             | LOD    | LOQ    | Limit | Results | Status |
|---------------------|--------|--------|-------|---------|--------|
|                     | µg/g   | µg/g   | µg/g  | µg/g    |        |
| 1,2-Dichloro-Ethane | 0.225  | 0.469  | 1     | ND      | Pass   |
| Acetone             | 12.462 | 46.873 | 5000  | ND      | Pass   |
| Acetonitrile        | 16.464 | 46.873 | 410   | ND      | Pass   |
| Benzene             | 0.239  | 0.469  | 1     | ND      | Pass   |
| Butane              | 16.937 | 46.873 | 5000  | ND      | Pass   |
| Chloroform          | 0.247  | 0.469  | 1     | ND      | Pass   |
| Ethanol             | 13.762 | 46.873 | 5000  | ND      | Pass   |
| Ethyl-Acetate       | 12.547 | 46.873 | 5000  | ND      | Pass   |
| Ethyl-Ether         | 28.899 | 46.873 | 5000  | ND      | Pass   |
| Ethylene Oxide      | 0.225  | 0.469  | 1     | ND      | Pass   |
| Heptane             | 11.723 | 46.873 | 5000  | ND      | Pass   |
| Isopropanol         | 12.209 | 46.873 | 5000  | ND      | Pass   |
| Methanol            | 22.99  | 46.873 | 3000  | ND      | Pass   |
| Methylene-Chloride  | 0.258  | 0.469  | 1     | ND      | Pass   |
| n-Hexane            | 29.171 | 46.873 | 290   | ND      | Pass   |
| Pentane             | 15.568 | 46.873 | 5000  | ND      | Pass   |
| Propane             | 17.861 | 46.873 | 5000  | ND      | Pass   |
| Toluene             | 29.384 | 46.873 | 890   | ND      | Pass   |
| Trichloroethene     | 0.274  | 0.469  | 1     | ND      | Pass   |
| Xylenes             | 27.174 | 46.873 | 2170  | ND      | Pass   |

Date Tested: 01/28/2022

Method: HS-GCMS SOP-429. LOQ = Limit of Quantitation; Unless otherwise stated all quality control samples performed within specifications established by the Laboratory.



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