

# Hemp Hop Wraps

Sample ID: 2210CLIP0266.O.00783

Strain: Hemp Hop Wraps

Matrix: Plant

Type: Other

Sample Size: 6 units; Batch:

Produced:

Collected: 10/20/2022

Received: 10/20/2022

Completed: 10/25/2022

Batch#:

Client

Hempacco

Lic. #

9925 Airway Rd

San Diego, CA 92154



## Summary

| Test           | Date Tested | Result               |
|----------------|-------------|----------------------|
| Batch          |             | Complete             |
| Cannabinoids   | 10/24/2022  | Complete             |
| Moisture       | 10/25/2022  | NT - Not Tested      |
| Water Activity | 10/24/2022  | 0.7648 aw - Complete |
| Terpenes       | 10/25/2022  | Complete             |
| Microbials     | 10/24/2022  | Complete             |
| Mycotoxins     | 10/21/2022  | Complete             |
| Pesticides     | 10/21/2022  | Complete             |
| Heavy Metals   | 10/24/2022  | Complete             |
| Foreign Matter | 10/21/2022  | Complete             |

## Cannabinoids

Complete

|                               |                             |                                      |
|-------------------------------|-----------------------------|--------------------------------------|
| <b>&lt;LOQ %</b><br>Total THC | <b>0.451 %</b><br>Total CBD | <b>0.477 %</b><br>Total Cannabinoids |
|-------------------------------|-----------------------------|--------------------------------------|

| Analyte          | CAS #      | LOD    | LOQ   | Result         | Result         |
|------------------|------------|--------|-------|----------------|----------------|
|                  |            | mg/g   | mg/g  | %              | mg/g           |
| THCa             | 23978-85-0 | 0.0100 | 0.125 | <LOQ           | <LOQ           |
| Δ9-THC           | 1972-08-3  | 0.0200 | 0.125 | ND             | ND             |
| Δ8-THC           | 5957-75-5  | 0.0100 | 0.125 | ND             | ND             |
| THCV             | 28172-17-0 | 0.0100 | 0.125 | ND             | ND             |
| CBDa             | 13956-29-1 | 0.0100 | 0.125 | 0.274          | 2.74           |
| CBD              | 1244-58-2  | 0.0100 | 0.125 | 0.212          | 2.12           |
| CBDV             | 20675-51-8 | 0.0200 | 0.125 | ND             | ND             |
| CBN              | 521-35-7   | 0.0100 | 0.125 | <LOQ           | <LOQ           |
| CBGa             | 25654-31-3 | 0.0400 | 0.138 | <LOQ           | <LOQ           |
| CBG              | 25555-57-1 | 0.0100 | 0.125 | ND             | ND             |
| CBC              | 24274-48-4 | 0.0100 | 0.125 | 0.0259         | 0.259          |
| <b>Total THC</b> |            |        |       | <b>&lt;LOQ</b> | <b>&lt;LOQ</b> |
| <b>Total CBD</b> |            |        |       | <b>0.451</b>   | <b>4.51</b>    |
| <b>Total</b>     |            |        |       | <b>0.477</b>   | <b>4.77</b>    |

Date Tested: 10/24/2022

Cannabinoids tested on a Shimadzu LC-2030C Plus following SOP AL-03. Total THC = THCa \* 0.877 + Delta9-THC; Total CBD = CBDa \* 0.877 + CBD. Total Cannabinoids = sum of acid form cannabinoids \* 0.877 + sum of cannabinoids. LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND. Results reported in dry weight.

## Moisture

Not Tested

| Analyte    | Results | Status |
|------------|---------|--------|
|            | %       |        |
| % Moisture | NR      | NT     |

Date Tested: 10/25/2022

Moisture content tested on a Shimadzu MOC-120 Moisture Balance following SOP AL-01.



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10/25/2022

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All quality control samples performed within specifications previously established by the laboratory. Results relate only to sample tested. Sample provided by customer. Sample tested as received. Action Limits based on California Department of Cannabis Control. A passing result means the measured value is below the relevant action limit and does not include the measurement of uncertainty. Measurement of uncertainty values have been determined for all methods and analytes. These data are available upon request.

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## Terpenes

Complete

| Analytes            | LOD   | LOQ   | Result      | Result      |
|---------------------|-------|-------|-------------|-------------|
|                     | mg/g  | mg/g  | mg/g        | %           |
| 3-Carene            | 0.070 | 0.260 | ND          | ND          |
| α-Bisabolol         | 0.020 | 0.100 | ND          | ND          |
| α-Humulene          | 0.010 | 0.100 | ND          | ND          |
| α-Phellandrene      | 0.080 | 0.290 | ND          | ND          |
| α-Pinene            | 0.020 | 0.100 | ND          | ND          |
| α-Terpinene         | 0.090 | 0.310 | ND          | ND          |
| α-Terpineol         | 0.050 | 0.190 | ND          | ND          |
| β-Caryophyllene     | 0.020 | 0.100 | ND          | ND          |
| β-Myrcene           | 0.020 | 0.100 | ND          | ND          |
| β-Pinene            | 0.010 | 0.100 | ND          | ND          |
| Camphene            | 0.050 | 0.160 | ND          | ND          |
| Caryophyllene Oxide | 0.020 | 0.100 | ND          | ND          |
| D-Limonene          | 0.010 | 0.100 | ND          | ND          |
| Eucalyptol          | 0.050 | 0.170 | ND          | ND          |
| Fenchol             | 0.060 | 0.210 | ND          | ND          |
| γ-Terpinene         | 0.050 | 0.180 | ND          | ND          |
| Geraniol            | 0.060 | 0.200 | ND          | ND          |
| Linalool            | 0.020 | 0.100 | ND          | ND          |
| Ocimene             | 0.070 | 0.260 | ND          | ND          |
| Terpinolene         | 0.010 | 0.100 | ND          | ND          |
| trans-Nerolidol     | 0.070 | 0.260 | ND          | ND          |
| <b>Total</b>        |       |       | <b>0.00</b> | <b>0.00</b> |

## Primary Aromas



Date Tested: 10/25/2022

Terpenes tested on a Shimadzu GCMS-QP2010 SE following SOP AL-04PF. LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.



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## Hemp Hop Wraps

|  |                              |                     |
|--|------------------------------|---------------------|
| <b>Sample ID:</b> 2210CLIP0266.O.00783 | <b>Produced:</b>             | <b>Client</b>       |
| <b>Strain:</b> Hemp Hop Wraps          | <b>Collected:</b> 10/20/2022 | <b>Hempacco</b>     |
| <b>Matrix:</b> Plant                   | <b>Received:</b> 10/20/2022  | <b>Lic. #</b>       |
| <b>Type:</b> Other                     | <b>Completed:</b> 10/25/2022 | 9925 Airway Rd      |
| <b>Sample Size:</b> 6 units; Batch:    | <b>Batch#:</b>               | San Diego, CA 92154 |

## Microbials

Complete

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

Date Tested: 10/24/2022  
Microbials tested on a bioMerieux Gene-UP Real Time PCR System following SOP M-04.

## Water Activity

Complete

| Analyte        | Limit        | Result       | Status |
|----------------|--------------|--------------|--------|
| Water Activity | aw<br>0.6500 | aw<br>0.7648 | Tested |

Date Tested: 10/24/2022  
Water activity tested using a Rotronic HC2-AW-USB Water Activity Probe following SOP AL-02.

## Foreign Matter

Complete

| Analyte                   | Action Level        | Result | Status |
|---------------------------|---------------------|--------|--------|
| Sand/Soil/Cinders/Dirt    | >25% of sample area | Tested | Tested |
| Mold                      | >25% of sample area | Tested | Tested |
| Insect Fragments          | >1 fragment         | Tested | Tested |
| Mammalian Excreta         | >1 fragment         | Tested | Tested |
| Imbedded Foreign Material | >25% of sample area | Tested | Tested |

Date Tested: 10/21/2022  
Foreign matter inspected using a VWR Stereo Basic Halogen Microscope following SOP L-05. ND = Not Detected



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## Heavy Metals

Complete

| Analyte | LOD    | LOQ    | Limit  | Result | Status |
|---------|--------|--------|--------|--------|--------|
|         | µg/g   | µg/g   | µg/g   | µg/g   |        |
| Arsenic | 0.0165 | 0.2000 | 0.2000 | <LOQ   | Tested |
| Cadmium | 0.0320 | 0.2000 | 0.2000 | <LOQ   | Tested |
| Lead    | 0.0269 | 0.5000 | 0.5000 | <LOQ   | Tested |
| Mercury | 0.0100 | 0.1000 | 0.1000 | <LOQ   | Tested |

Date Tested: 10/24/2022

Heavy metals tested on a Shimadzu ICPMS-2030LF following SOP AL-06. LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.

## Mycotoxins

Complete

| Analyte          | LOD   | LOQ    | Limit | Result | Status |
|------------------|-------|--------|-------|--------|--------|
|                  | µg/kg | µg/kg  | µg/kg | µg/kg  |        |
| B1               | 0.548 | 4.000  |       | ND     | Tested |
| B2               | 1.130 | 4.000  |       | ND     | Tested |
| G1               | 0.925 | 4.000  |       | ND     | Tested |
| G2               | 1.710 | 8.000  |       | ND     | Tested |
| Ochratoxin A     | 2.440 | 20.000 | 20    | ND     | Tested |
| Total Aflatoxins | 4.310 | 20.000 | 20    | ND     | Tested |

Date Tested: 10/21/2022

Mycotoxins tested on a Shimadzu LCMS-8060 following SOP AL-07. LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.



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### Category I Pesticides

| Analyte      | LOD   | LOQ  | Limit | Result | Status |
|--------------|-------|------|-------|--------|--------|
|              | µg/g  | µg/g | µg/g  | µg/g   |        |
| Aldicarb     | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Carbofuran   | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Chlordane    | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Chlorfenapyr | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Chlorpyrifos | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Coumaphos    | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Daminozide   | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Dichlorvos   | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Dimethoate   | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Ethoprophos  | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Etofenprox   | 0.028 | 0.1  | 0.028 | ND     | Tested |

### Complete

| Analyte          | LOD   | LOQ  | Limit | Result | Status |
|------------------|-------|------|-------|--------|--------|
|                  | µg/g  | µg/g | µg/g  | µg/g   |        |
| Fenoxycarb       | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Fipronil         | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Imazalil         | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Methiocarb       | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Mevinphos        | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Paclobutrazol    | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Parathion Methyl | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Propoxur         | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Spiroxamine      | 0.028 | 0.1  | 0.028 | ND     | Tested |
| Thiacloprid      | 0.028 | 0.1  | 0.028 | ND     | Tested |

### Category II Pesticides

| Analyte             | LOD    | LOQ  | Limit | Result | Status |
|---------------------|--------|------|-------|--------|--------|
|                     | µg/g   | µg/g | µg/g  | µg/g   |        |
| Abamectin           | 0.0229 | 0.1  | 0.1   | ND     | Tested |
| Acephate            | 0.0113 | 0.1  | 0.1   | ND     | Tested |
| Acequinocyl         | 0.0211 | 0.1  | 0.1   | ND     | Tested |
| Acetamiprid         | 0.0086 | 0.1  | 0.1   | <LOQ   | Tested |
| Azoxystrobin        | 0.0069 | 0.1  | 0.1   | <LOQ   | Tested |
| Bifenazate          | 0.0136 | 0.1  | 0.1   | ND     | Tested |
| Bifenthrin          | 0.0146 | 0.1  | 3     | ND     | Tested |
| Boscalid            | 0.014  | 0.1  | 0.1   | ND     | Tested |
| Captan              | 0.028  | 0.1  | 0.7   | ND     | Tested |
| Carbaryl            | 0.0149 | 0.1  | 0.5   | ND     | Tested |
| Chlorantraniliprole | 0.0167 | 0.1  | 10    | <LOQ   | Tested |
| Clofentazine        | 0.004  | 0.1  | 0.1   | ND     | Tested |
| Cyfluthrin          | 0.0406 | 0.15 | 2     | ND     | Tested |
| Cypermethrin        | 0.0279 | 0.1  | 1     | ND     | Tested |
| Diazinon            | 0.0082 | 0.1  | 0.1   | ND     | Tested |
| Dimethomorph        | 0.0143 | 0.1  | 2     | <LOQ   | Tested |
| Etoxadole           | 0.0075 | 0.1  | 0.1   | ND     | Tested |
| Fenhexamid          | 0.012  | 0.1  | 0.1   | ND     | Tested |
| Fenpyroximate       | 0.0193 | 0.1  | 0.1   | ND     | Tested |
| Flonicamid          | 0.0263 | 0.1  | 0.1   | ND     | Tested |
| Fludioxonil         | 0.0194 | 0.1  | 0.1   | ND     | Tested |
| Hexythiazox         | 0.0213 | 0.1  | 0.1   | ND     | Tested |
| Imidacloprid        | 0.02   | 0.1  | 5     | ND     | Tested |

| Analyte                 | LOD    | LOQ  | Limit | Result | Status |
|-------------------------|--------|------|-------|--------|--------|
|                         | µg/g   | µg/g | µg/g  | µg/g   |        |
| Kresoxim Methyl         | 0.014  | 0.1  | 0.1   | ND     | Tested |
| Malathion               | 0.0073 | 0.1  | 0.5   | ND     | Tested |
| Metalaxyl               | 0.0096 | 0.1  | 2     | <LOQ   | Tested |
| Methomyl                | 0.0059 | 0.1  | 1     | ND     | Tested |
| Myclobutanil            | 0.0074 | 0.1  | 0.1   | ND     | Tested |
| Naled                   | 0.0058 | 0.1  | 0.1   | ND     | Tested |
| Oxamyl                  | 0.0059 | 0.1  | 0.5   | ND     | Tested |
| Pentachloronitrobenzene | 0.0153 | 0.1  | 0.1   | ND     | Tested |
| Permethrin              | 0.0206 | 0.1  | 0.5   | ND     | Tested |
| Phosmet                 | 0.0153 | 0.1  | 0.1   | ND     | Tested |
| Piperonyl Butoxide      | 0.0071 | 0.1  | 3     | <LOQ   | Tested |
| Prallethrin             | 0.0175 | 0.1  | 0.1   | ND     | Tested |
| Propiconazole           | 0.0083 | 0.1  | 0.1   | ND     | Tested |
| Pyrethrins              | 0.0137 | 0.1  | 0.5   | ND     | Tested |
| Pyridaben               | 0.01   | 0.1  | 0.1   | ND     | Tested |
| Spinetoram              | 0.0113 | 0.1  | 0.1   | ND     | Tested |
| Spinosad                | 0.0097 | 0.1  | 0.1   | ND     | Tested |
| Spiromesifen            | 0.0156 | 0.1  | 0.1   | ND     | Tested |
| Spirotetramat           | 0.0127 | 0.1  | 0.1   | ND     | Tested |
| Tebuconazole            | 0.0182 | 0.1  | 0.1   | ND     | Tested |
| Thiamethoxam            | 0.0115 | 0.1  | 5     | ND     | Tested |
| Trifloxystrobin         | 0.0046 | 0.1  | 0.1   | <LOQ   | Tested |

Date Tested: 10/21/2022

Pesticides tested on a Shimadzu LCMS-8060 or a Shimadzu GCMS-TQ8050 NX following SOP AL-07. LOD = Limit of Detection; LOQ = Limit of Quantification; ND = Not Detected; Values <LOD reported as ND.



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