

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

Hempacoco

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

<LOQ %			0.451 %		0.477 %	
Total THC			Total CBD		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	
Total THC				<LOQ	<LOQ	
Total CBD				0.451	4.51	
Total				0.477	4.77	

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.



Accreditation #109502

Matthew Pagenkopp
Analytical Laboratory Director
10/25/2022

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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
Total			0.00	0.00

Primary Aromas

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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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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 0.6500	aw 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

Complete

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Aldicarb	0.028	0.1	0.028	ND	Tested	Fenoxycarb	0.028	0.1	0.028	ND	Tested
Carbofuran	0.028	0.1	0.028	ND	Tested	Fipronil	0.028	0.1	0.028	ND	Tested
Chlordane	0.028	0.1	0.028	ND	Tested	Imazalil	0.028	0.1	0.028	ND	Tested
Chlorfenapyr	0.028	0.1	0.028	ND	Tested	Methiocarb	0.028	0.1	0.028	ND	Tested
Chlorpyrifos	0.028	0.1	0.028	ND	Tested	Mevinphos	0.028	0.1	0.028	ND	Tested
Coumaphos	0.028	0.1	0.028	ND	Tested	Paclobutrazol	0.028	0.1	0.028	ND	Tested
Daminozide	0.028	0.1	0.028	ND	Tested	Parathion Methyl	0.028	0.1	0.028	ND	Tested
Dichlorvos	0.028	0.1	0.028	ND	Tested	Propoxur	0.028	0.1	0.028	ND	Tested
Dimethoate	0.028	0.1	0.028	ND	Tested	Spiroxamine	0.028	0.1	0.028	ND	Tested
Ethoprophos	0.028	0.1	0.028	ND	Tested	Thiacloprid	0.028	0.1	0.028	ND	Tested
Etofenprox	0.028	0.1	0.028	ND	Tested						

Category II Pesticides

Analyte	LOD	LOQ	Limit	Result	Status	Analyte	LOD	LOQ	Limit	Result	Status
	µg/g	µg/g	µg/g	µg/g			µg/g	µg/g	µg/g	µg/g	
Abamectin	0.0229	0.1	0.1	ND	Tested	Kresoxim Methyl	0.014	0.1	0.1	ND	Tested
Acephate	0.0113	0.1	0.1	ND	Tested	Malathion	0.0073	0.1	0.5	ND	Tested
Acequinocyl	0.0211	0.1	0.1	ND	Tested	Metalaxyl	0.0096	0.1	2	<LOQ	Tested
Acetamiprid	0.0086	0.1	0.1	<LOQ	Tested	Methomyl	0.0059	0.1	1	ND	Tested
Azoxystrobin	0.0069	0.1	0.1	<LOQ	Tested	Myclobutanil	0.0074	0.1	0.1	ND	Tested
Bifenazate	0.0136	0.1	0.1	ND	Tested	Naled	0.0058	0.1	0.1	ND	Tested
Bifenthrin	0.0146	0.1	3	ND	Tested	Oxamyl	0.0059	0.1	0.5	ND	Tested
Boscalid	0.014	0.1	0.1	ND	Tested	Pentachloronitrobenzene	0.0153	0.1	0.1	ND	Tested
Captan	0.028	0.1	0.7	ND	Tested	Permethrin	0.0206	0.1	0.5	ND	Tested
Carbaryl	0.0149	0.1	0.5	ND	Tested	Phosmet	0.0153	0.1	0.1	ND	Tested
Chlorantraniliprole	0.0167	0.1	10	<LOQ	Tested	Piperonyl Butoxide	0.0071	0.1	3	<LOQ	Tested
Clofentezine	0.004	0.1	0.1	ND	Tested	Prallethrin	0.0175	0.1	0.1	ND	Tested
Cyfluthrin	0.0406	0.15	2	ND	Tested	Propiconazole	0.0083	0.1	0.1	ND	Tested
Cypermethrin	0.0279	0.1	1	ND	Tested	Pyrethrins	0.0137	0.1	0.5	ND	Tested
Diazinon	0.0082	0.1	0.1	ND	Tested	Pyridaben	0.01	0.1	0.1	ND	Tested
Dimethomorph	0.0143	0.1	2	<LOQ	Tested	Spinetoram	0.0113	0.1	0.1	ND	Tested
Etoxazole	0.0075	0.1	0.1	ND	Tested	Spinosad	0.0097	0.1	0.1	ND	Tested
Fenhexamid	0.012	0.1	0.1	ND	Tested	Spiromesifen	0.0156	0.1	0.1	ND	Tested
Fenpyroximate	0.0193	0.1	0.1	ND	Tested	Spirotetramat	0.0127	0.1	0.1	ND	Tested
Flonicamid	0.0263	0.1	0.1	ND	Tested	Tebuconazole	0.0182	0.1	0.1	ND	Tested
Fludioxonil	0.0194	0.1	0.1	ND	Tested	Thiamethoxam	0.0115	0.1	5	ND	Tested
Hexythiazox	0.0213	0.1	0.1	ND	Tested	Trifloxystrobin	0.0046	0.1	0.1	<LOQ	Tested
Imidacloprid	0.02	0.1	5	ND	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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