



# Certificate of Analysis

R&D

**Client Information:**

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
Suite A  
BATON ROUGE, LA 70810

Batch # 099  
Batch Date: 2023-03-01  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP230316-090001  
Order Date: 2023-03-16  
Sample # AAEF815

Sampling Date: 2023-03-21  
Lab Batch Date: 2023-03-21  
Completion Date: 2023-03-24

Initial Gross Weight: 76.479 g



Product Image



**Potency**  
Tested



**HHCP**  
Tested

**Delta 8/Delta 10 Potency 13 - (LCUV)**

Specimen Weight: 208.340 mg

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBDA	1.00E-5	0.0015	82.280	8.228
CBGA	8.00E-5	0.0015	66.690	6.669
CBD	5.40E-5	0.0015	17.260	1.726
CBG	2.48E-4	0.0015	6.860	0.686
CBN	1.40E-5	0.0015	3.970	0.397
Delta-8 THC	2.60E-5	0.0015	2.220	0.222
CBC	1.80E-5	0.0015	2.130	0.213
THCA-A	3.20E-5	0.0015	1.990	0.199
Delta-9 THC	1.30E-5	0.1	1.940	0.194
CBDV	6.50E-5	0.0015	<LOQ	<LOQ
Delta-10 THC	3.00E-6	0.0015	<LOQ	<LOQ
Delta6a10a-THC	8.47E-5	0.0015	<LOQ	<LOQ
THCV	7.00E-6	0.0015	<LOQ	<LOQ
Total Active CBD			89.420	8.942
Total Active THC			3.690	0.369

**Tested**

SOP13.052 (LCUV)



**Potency Summary**

<b>Total Delta 8</b> 0.222%	<b>Total Delta 10</b> None Detected
<b>Total HHC</b> 2.378%	<b>Total Active THC at Dry Weight</b> 0.369%
<b>Total Active CBD at Dry Weight</b> 8.942%	<b>Total CBG</b> 6.535%
<b>Total CBN</b> 0.397%	<b>Other Cannabinoids</b> 0.213%
<b>Total Cannabinoids</b> 19.055%	

Summary results above show the dry weight concentration

**HHCP**

Specimen Weight: 208.340 mg

Dilution Factor: 7500.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	13.9000	1.39	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	<LOQ
(9S)-HHC	8.7400E-7	7.5E-5	7.4000	0.74	Delta-9 THC	2.8000E-5	7.5E-5	1.9400	0.194
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	2.4800	0.248	Total HHC			23.7800	2.378
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ	<LOQ					

**Tested**

SOP13.050 (LCMS)

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)

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10771 Perkins Rd  
Suite A  
BATON ROUGE, LA 70810

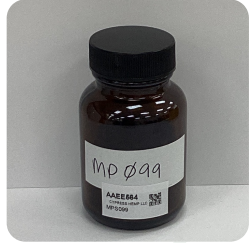
Batch # MPS099  
Batch Date: 2023-03-07  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP230307-080001  
Order Date: 2023-03-07  
Sample # AAE564

Sampling Date: 2023-03-09  
Lab Batch Date: 2023-03-09  
Completion Date: 2023-03-14

Initial Gross Weight: 79.224 g



Product Image

**H Heavy Metals Passed**    **P Pesticides Passed**    **R Residual Solvents Passed**

**Residual Solvents - FL (CBD)**    **Passed**  
Specimen Weight: 13.000 mg    SOP13.039 (GCMS)

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	0.16	8	<LOQ	Heptane	0.0013	1.39	5000	<LOQ
1,2-Dichloroethane	0.0003	0.04	5	<LOQ	Hexane	0.068	1.17	290	<LOQ
Acetone	0.015	2.08	5000	44.885	Isopropyl alcohol	0.0048	1.39	500	<LOQ
Acetonitrile	0.06	1.17	410	<LOQ	Methanol	0.0005	0.69	3000	32.996
Benzene	0.0002	0.02	2	<LOQ	Methylene chloride	0.0029	2.43	600	<LOQ
Butanes	0.4167	2.5	2000	<LOQ	Pentane	0.037	2.08	5000	<LOQ
Chloroform	0.0001	0.04	60	<LOQ	Propane	0.031	5.83	2100	<LOQ
Ethanol	0.0021	2.78	5000	<LOQ	Toluene	0.0009	2.92	890	<LOQ
Ethyl Acetate	0.0012	1.11	5000	<LOQ	Total Xylenes	0.0001	2.92	2170	<LOQ
Ethyl Ether	0.0049	1.39	5000	<LOQ	Trichloroethylene	0.0014	0.49	80	<LOQ
Ethylene Oxide	0.0038	0.1	5	<LOQ					

*Aixia Sun*  
Aixia Sun    Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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**Client Information:**

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10771 Perkins Rd  
Suite A  
BATON ROUGE, LA 70810

Batch # MPS099  
Batch Date: 2023-03-07  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP230307-080001  
Order Date: 2023-03-07  
Sample # AAEE564

Sampling Date: 2023-03-09  
Lab Batch Date: 2023-03-09  
Completion Date: 2023-03-14

Initial Gross Weight: 79.224 g

**Pesticides**

Specimen Weight: 261.400 mg

Dilution Factor: 5.740

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin	2.8800E-1	28.23	300	<LOQ	Imazalil	2.4800E-1	30	100	<LOQ
Acephate	2.3000E-2	30	3000	<LOQ	Imidacloprid	9.4000E-2	30	3000	<LOQ
Acequinocyl	9.5640E+0	48	2000	<LOQ	Kresoxim Methyl	4.2000E-2	30	1000	<LOQ
Acetamiprid	5.2000E-2	30	3000	<LOQ	Malathion	8.2000E-2	30	2000	<LOQ
Aldicarb	2.6000E-2	30	100	<LOQ	Metalaxyl	8.1000E-2	10	3000	<LOQ
Azoxystrobin	8.1000E-2	10	3000	<LOQ	Methiocarb	3.2000E-2	30	100	<LOQ
Bifenazate	1.4150E+0	30	3000	<LOQ	Methomyl	2.2000E-2	30	100	<LOQ
Bifenthrin	4.3000E-2	30	500	<LOQ	Mevinphos	2.1500E+0	30	100	<LOQ
Carbaryl	2.2000E-2	10	500	<LOQ	Myclobutanil	1.0290E+0	30	3000	<LOQ
Chlorfenapyr	8.0000E-2	48	100	<LOQ	Naled	9.5000E-2	30	500	<LOQ
Chlorpyrifos	3.5000E-2	30	100	<LOQ	Oxamyl	2.5000E-2	30	500	<LOQ
Clofentezine	1.1900E-1	30	500	<LOQ	Pacllobutrazol	6.5000E-2	30	100	<LOQ
Coumaphos	3.7700E+0	30	100	<LOQ	Parathion-methyl	1.7100E+0	48	100	<LOQ
Cyfluthrin	3.1100E+0	30	1000	<LOQ	Pentachloronitrobenzene	1.3200E+0	30	200	<LOQ
Cypermethrin	1.4490E+0	30	1000	<LOQ	Permethrin	3.4300E-1	30	1000	<LOQ
Daminozide	8.8500E-1	30	100	<LOQ	Phosmet	8.2000E-2	30	200	<LOQ
Diazinon	4.4000E-2	30	200	<LOQ	Piperonylbutoxide	2.9000E-2	30	3000	<LOQ
Dichlorvos	2.1820E+0	30	100	<LOQ	Prallethrin	7.9800E-1	30	400	<LOQ
Dimethoate	2.1000E-2	30	100	<LOQ	Propiconazole	7.0000E-2	30	1000	<LOQ
Dimethomorph	5.8300E+0	30	3000	<LOQ	Propoxur	4.6000E-2	30	100	<LOQ
Ethoprophos	3.6000E-1	30	100	<LOQ	Pyrethrins	2.3593E+1	30	1000	<LOQ
Etofenprox	1.1600E-1	30	100	<LOQ	Pyridaben	3.2000E-2	30	3000	<LOQ
Etoxazole	9.5000E-2	30	1500	<LOQ	Spinetoram	8.0000E-2	30	3000	<LOQ
Fenhexamid	5.1000E-1	30	3000	<LOQ	Spiromesifen	2.6100E-1	30	3000	<LOQ
Fenoxycarb	1.0700E-1	30	100	<LOQ	Spirotetramat	8.9000E-2	30	3000	<LOQ
Fenpyroximate	1.3800E-1	30	2000	<LOQ	Spiroxamine	1.3100E-1	30	100	<LOQ
Fipronil	1.0700E-1	30	100	<LOQ	Tebuconazole	6.7000E-2	30	1000	<LOQ
Flonicamid	5.1700E-1	30	2000	<LOQ	Thiacloprid	6.4000E-2	30	100	<LOQ
Fludioxonil	1.7400E+0	30	3000	<LOQ	Thiamethoxam	5.0000E-2	30	1000	<LOQ
Hexythiazox	4.9000E-2	30	2000	<LOQ	Trifloxystrobin	3.7000E-2	30	3000	<LOQ

**Passed**

SOP13.007  
(LCMS/GCMS)

**Heavy Metals**

Specimen Weight: 249.400 mg

Dilution Factor: 200

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Arsenic (As)	4.83	100	1500	204.000	Lead (Pb)	11.76	100	500	269.000
Cadmium (Cd)	.64	100	500	<LOQ	Mercury (Hg)	.58	100	3000	<LOQ

**Passed**

SOP13.048 (ICP-MS)

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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**Client Information:**

**CYPRESS HEMP LLC**  
10771 Perkins Rd  
Suite A  
BATON ROUGE, LA 70810

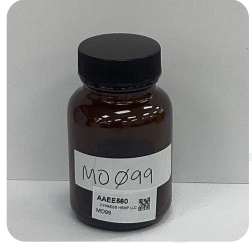
Batch # M099  
Batch Date: 2023-03-07  
Extracted From: Hemp

Test Reg State: Oregon

Order # CYP230307-080001  
Order Date: 2023-03-07  
Sample # AAE560

Sampling Date: 2023-03-09  
Lab Batch Date: 2023-03-09  
Completion Date: 2023-03-13

Initial Gross Weight: 76.332 g



Product Image

**Pathogenic S**  
**Tested**

**Microbiology Petrifilm**  
**Passed**

**Microbiology (Petrifilm)**  
Specimen Weight: 993.200 mg

**Passed**  
SOP13.003  
(Petrifilm)

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	1000	10000	<1000	Total Enterobacteriaceae	100	1000	<100
E. Coli / Coliform	100	100	<100	Yeast/Mold	100	1000	<100

**Pathogenic S (qPCR)**  
Specimen Weight: 240.930 mg

**Tested**  
SOP13.029  
(qPCR)

Dilution Factor: 1.000

Analyte	Result (cfu/g)
Salmonella	Absence in 1g

Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



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