



DEA No. RA0571996  
FL License # CMTL-0003  
CLIA No. 10D1094068

# Certificate of Analysis

## Compliance Test

Covalent CC, LLC  
955 Grier Drive  
Suite B  
Las Vegas, NV 89119

Batch # HHC221110S700ST  
Batch Date: 2022-11-11  
Extracted From: Hemp

Test Reg State: Florida

Order # COV221128-050001  
Order Date: 2022-11-28  
Sample # AADU262

Sampling Date: 2022-11-29  
Lab Batch Date: 2022-11-29  
Completion Date: 2022-12-06

Initial Gross Weight: 7.162 g



Product Image

Potency  
Tested

HHCP  
Tested

### Potency 10

Specimen Weight: 56.390 mg

Tested

SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	5.40E-5	0.0015	187.7900	18.7790
CBDA	100.000	1.00E-5	0.0015	8.4000	0.8400
CBDV	100.000	6.50E-5	0.0015	1.7200	0.1720
CBG	100.000	2.48E-4	0.0015	1.6600	0.1660
CBN	100.000	1.40E-5	0.0015	1.1500	0.1150
THCV	100.000	7.00E-6	0.0015	0.4100	0.0410
CBC	100.000	1.80E-5	0.0015	<LOQ	<LOQ
CBGA	100.000	8.00E-5	0.0015	<LOQ	<LOQ
Delta-9 THC	100.000	1.30E-5	0.0015	<LOQ	<LOQ
THCA-A	100.000	3.20E-5	0.0015	<LOQ	<LOQ

### Potency Summary

<b>42.513%</b> Total HHC <LOQmg	<b>-</b> Total Active THC None Detected
<b>19.516%</b> Total Active CBD <LOQmg	<b>0.166%</b> Total CBG <LOQmg
<b>0.115%</b> Total CBN <LOQmg	<b>0.213%</b> Other Cannabinoids <LOQmg
<b>62.523%</b> Total Cannabinoids <LOQmg	

### HHCP

Specimen Weight: 56.390 mg

Tested

SOP13.050 (LCMS)

Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	267.0000	26.7	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	
(9S)-HHC	8.7400E-7	7.5E-5	157.0000	15.7	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	1.1300	0.113	Total HHC			425.1300	42.513
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ						

Xueli Gao  
Lab Toxicologist  
Ph.D., DABT

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



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.87), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA \* 0.87), CBG Total = (CBGA \* 0.877) + CBG, CBN Total = (CBNA \* 0.877) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, + HHC Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/Kg) = Milligram per Kilogram, \*Measurement of Uncertainty = +/- 10%

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Batch # HHC221110S700ST  
Batch Date: 2022-11-21  
Extracted From: Hemp

Test Reg State: Florida

Order # COV221121-040002  
Order Date: 2022-11-21  
Sample # AADT438

Sampling Date: 2022-11-26  
Lab Batch Date: 2022-11-26  
Completion Date: 2022-11-29

Initial Gross Weight: 52.221 g



Product Image

**HHCP**  
Tested

**Terpenes**  
Tested

### Terpenes

Specimen Weight: 79.960 mg

**Tested**  
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	8.976	0.898%	3-Carene	0.002	<LOQ	
(R)-(+)-Limonene	0.002	7.628	0.763%	alpha-Cedrene	0.002	<LOQ	
beta-Myrcene	0.002	7.223	0.722%	Borneol	0.004	<LOQ	
alpha-Bisabolol	0.002	4.554	0.455%	Camphene	0.002	<LOQ	
Terpinolene	0.002	2.979	0.298%	Camphors	0.006	<LOQ	
Geranyl acetate	0.002	2.945	0.294%	cis-Nerolidol	0.002	<LOQ	
alpha-Humulene	0.002	2.837	0.284%	Eucalyptol	0.002	<LOQ	
alpha-Pinene	0.002	2.637	0.264%	Famesene	0.002	<LOQ	
beta-Pinene	0.002	2.038	0.204%	Fenchone	0.002	<LOQ	
Linalool	0.002	1.972	0.197%	Geraniol	0.002	<LOQ	
Gamma-Terpinene	0.002	1.960	0.196%	Hexahydrothymol	0.002	<LOQ	
Total Terpeneol	0.00126	1.571	0.157%	Isoborneol	0.002	<LOQ	
Valencene	0.002	1.366	0.137%	Isopulegol	0.002	<LOQ	
alpha-Phellandrene	0.002	1.278	0.128%	Nerol	0.002	<LOQ	
alpha-Terpinene	0.002	0.636	0.064%	Ocimene	0.00033	<LOQ	
Caryophyllene oxide	0.002	0.631	0.063%	Pulegone	0.002	<LOQ	
Fenchyl Alcohol	0.002	0.557	0.056%	Sabinene	0.002	<LOQ	
Guaiol	0.002	0.562	0.056%	Sabinene Hydrate	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		trans-Nerolidol	0.002	<LOQ	

**Total Terpenes: 5.236%**

### Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	8.976	0.898%
(R)-(+)-Limonene	7.628	0.763%
beta-Myrcene	7.223	0.722%
alpha-Bisabolol	4.554	0.455%
Terpinolene	2.979	0.298%
Geranyl acetate	2.945	0.294%
alpha-Humulene	2.837	0.284%
alpha-Pinene	2.637	0.264%
beta-Pinene	2.038	0.204%
Linalool	1.972	0.197%
Gamma-Terpinene	1.96	0.196%
Total Terpeneol	1.571	0.157%
Valencene	1.366	0.137%
alpha-Phellandrene	1.278	0.128%
alpha-Terpinene	0.636	0.064%
Caryophyllene oxide	0.631	0.063%
Guaiol	0.562	0.056%
Fenchyl Alcohol	0.557	0.056%

**Total Terpenes: 5.236%**

Detailed Terpenes Analysis is on the following page

*Xueli Gao*  
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Lab Toxicologist  
Ph.D., DABT

*Aixia Sun*  
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Lab Director/Principal Scientist  
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Initial Gross Weight: 52.221 g

HHCP

Specimen Weight: 56.060 mg

Tested  
SOP13.050 (LCMS)

Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	411.0000	41.1	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	
(9S)-HHC	8.7400E-7	7.5E-5	145.0000	14.5	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	8.8100	0.881	Total HHC			564.8100	56.481
9(R)-HHC	3.0900E-6	7.5E-5	<LOQ						

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Lab Toxicologist  
Ph.D., DABT

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