



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 # HHC221110S700WC  
Batch Date: 2022-11-11  
Extracted From: Hemp

Test Reg State: Florida

Order # COV221128-050001  
Order Date: 2022-11-28  
Sample # AADU261

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

Initial Gross Weight: 7.069 g



Product Image

Potency Tested

HHCP Tested

### Potency 10

Specimen Weight: 52.510 mg

**Tested**  
SOP13.001 (LCUV)

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	100.000	5.40E-5	0.0015	191.9300	19.1930
CBDA	100.000	1.00E-5	0.0015	8.6200	0.8620
CBG	100.000	2.48E-4	0.0015	1.8100	0.1810
CBDV	100.000	6.50E-5	0.0015	1.8000	0.1800
CBN	100.000	1.40E-5	0.0015	1.1900	0.1190
THCV	100.000	7.00E-6	0.0015	0.4000	0.0400
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>35.732%</b> Total HHC <LOQmg	<b>Total Active THC</b> None Detected
<b>19.949%</b> Total Active CBD <LOQmg	<b>Total CBG</b> <LOQmg
<b>0.119%</b> Total CBN <LOQmg	<b>Other Cannabinoids</b> <LOQmg
<b>56.201%</b> Total Cannabinoids <LOQmg	

### HHCP

Specimen Weight: 52.510 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	<b>230.0000</b>	23	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	
(9S)-HHC	8.7400E-7	7.5E-5	<b>126.0000</b>	12.6	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	<b>1.3200</b>	0.132	Total HHC			<b>357.3200</b>	35.732
9(R)-HHCP	3.0900E-6	7.5E-5	<LOQ						

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

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



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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## Compliance Test

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Batch # HHC221110S700WC  
Batch Date: 2022-11-21  
Extracted From: Hemp

Test Reg State: Florida

Order # COV221121-040002  
Order Date: 2022-11-21  
Sample # AADT437

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

Initial Gross Weight: 51.974 g



Product Image

HHCP Tested

Terpenes Tested

### Terpenes

Specimen Weight: 53.900 mg

SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
trans-Caryophyllene	0.002	15.703	1.570	cis-Nerolidol	0.002	<LOQ	
(R)-(+)-Limonene	0.002	7.824	0.782	Eucalyptol	0.002	<LOQ	
alpha-Humulene	0.002	3.556	0.356	Famesene	0.002	<LOQ	
Linalool	0.002	3.436	0.344	Fenchone	0.002	<LOQ	
Valencene	0.002	3.229	0.323	Gamma-Terpinene	0.002	<LOQ	
alpha-Bisabolol	0.002	2.714	0.271	Geraniol	0.002	<LOQ	
beta-Myrcene	0.002	2.553	0.255	Geranyl acetate	0.002	<LOQ	
Borneol	0.004	1.861	0.186	Guaiol	0.002	<LOQ	
beta-Pinene	0.002	1.081	0.108	Hexahydrothymol	0.002	<LOQ	
Fenchyl Alcohol	0.002	0.710	0.071	Isoborneol	0.002	<LOQ	
alpha-Pinene	0.002	0.612	0.061	Isopulegol	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Nerol	0.002	<LOQ	
3-Carene	0.002	<LOQ		Ocimene	0.00033	<LOQ	
alpha-Cedrene	0.002	<LOQ		Pulegone	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Sabinene	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Camphene	0.002	<LOQ		Terpinolene	0.002	<LOQ	
Camphors	0.006	<LOQ		Total Terpineol	0.00126	<LOQ	
Caryophyllene oxide	0.002	<LOQ		trans-Nerolidol	0.002	<LOQ	

**Total Terpenes: 4.327%**

### Terpenes Summary

Analyte	Result (mg/g)	(%)
trans-Caryophyllene	15.703	1.57%
(R)-(+)-Limonene	7.824	0.782%
alpha-Humulene	3.556	0.356%
Linalool	3.436	0.344%
Valencene	3.229	0.323%
alpha-Bisabolol	2.714	0.271%
beta-Myrcene	2.553	0.255%
Borneol	1.861	0.186%
beta-Pinene	1.081	0.108%
Fenchyl Alcohol	0.71	0.071%
alpha-Pinene	0.612	0.061%

**Total Terpenes: 4.327%**

Detailed Terpenes Analysis is on the following page

Xueli Gao  
Ph.D., DABT  
Lab Toxicologist

Aixia Sun  
D.H.Sc., M.Sc., B.Sc., MT (AAB)  
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Sample # AADT437

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

Initial Gross Weight: 51.974 g

**HHCP** **HHCP** **Tested**  
SOP13.050 (LCMS)

Specimen Weight: 57.740 mg

Dilution Factor: 5000.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)
(9R)-HHC	3.1100E-7	7.5E-5	368.0000	36.8	9(S)-HHCP	2.5500E-6	7.5E-5	<LOQ	
(9S)-HHC	8.7400E-7	7.5E-5	142.0000	14.2	Delta-9 THC	2.8000E-5	7.5E-5	<LOQ	
(±)-9β-hydroxy-HHC	4.5800E-7	7.5E-5	9.8100	0.981	Total HHC			519.8100	51.981
9(R)-HHC	3.0900E-6	7.5E-5	<LOQ						

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