

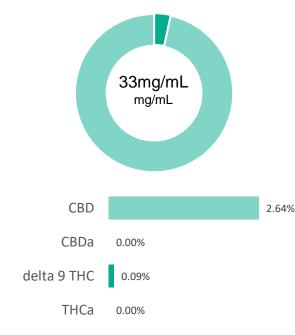
prepared for: HEMPLUCID

4844 N 300 W PROVO, UT 84604

#### HL-WS1000 Lot#2000067

Batch ID:	PJ-12371	Test ID:	7971204.0029
Reported:	21-May-2020	Method:	TM14
Туре:	Solution		
Test:	Potency		

### **CANNABINOID PROFILE**



Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A	A) 0.88	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	0.44	1.20	0.9
Cannabidiolic acid (CBDA)	1.11	ND	ND
Cannabidiol (CBD)	0.62	33.00	26.4
Delta 8-Tetrahydrocannabinol (Delta 8THC)	0.48	ND	ND
Cannabinolic Acid (CBNA)	1.20	ND	ND
Cannabinol (CBN)	0.53	ND	ND
Cannabigerolic acid (CBGA)	0.77	ND	ND
Cannabigerol (CBG)	0.43	0.50	0.4
Tetrahydrocannabivarinic Acid (THCVA)	0.75	ND	ND
Tetrahydrocannabivarin (THCV)	0.39	ND	ND
Cannabidivarinic Acid (CBDVA)	1.03	ND	ND
Cannabidivarin (CBDV)	0.56	ND	ND
Cannabichromenic Acid (CBCA)	0.66	ND	ND
Cannabichromene (CBC)	0.79	1.00	0.8
Total Cannabinoids		35.70	28.51
Total Potential THC**		1.20	0.92
Total Potential CBD**		33.00	26.41

NOTES:

Density = 1.25g/mL

N/A

% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

## FINAL APPROVAL



**Daniel Weidensaul** 21-May-2020 2:53 PM

Den Muton

Ben Minton 21-May-2020 4:53 PM

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<sup>\*</sup> Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

<sup>\*\*</sup> Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during

decarboxvlation step.
Total THC = THC + (THCa \*(0.877)) and Total CBD = CBD + (CBDa

ND = None Detected (Defined by Dynamic Range of the method)



# **Certificate of Analysis**

### **Sample Information**

CTLA ID: 17354

Date Received: 5/14/2020

Sample Name: HL-WS 1000

Lot Number: 2000067

Customer: HempLucid

Analysis	Method	MDL Specification	Result	Units
Complete Micro				
Total Plate Count	USP <2021>	100 Report	<100	cfu/g
Total Coliforms	BAM CH.4	10 Report	<10	cfu/g
Escherichia coli	USP <2022>	Report	Negative	
Salmonella	USP <2022>	Report	Negative	
Staphylococcus aureus	USP <2022>	Report	Negative	
Yeast & Mold	USP <2021>	100 Report	<100	cfu/g
Heavy Metals				
Arsenic	USP <2232>	.001 Report	<0.001	ppm
Cadmium	USP <2232>	.001 Report	<0.001	ppm
Lead	USP <2232>	.001 Report	<0.001	ppm
Mercury	USP <2232>	.001 Report	<0.001	ppm

5/19/2020

DATE

Quality Manager

Specifications provided by the Customer. Results with an asterisk (\*) denote Specifications should be reviewed by the Customer. This Certificate of Analysis represents data for the sample submitted and does not constitute a guarantee of quality for the entire product from which it was taken. These results are provided for the benefit of the Customer. MDL = Method Detection Limit.



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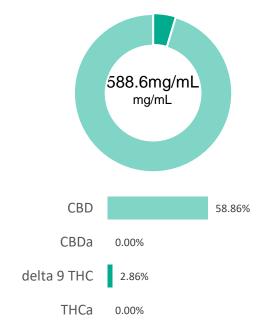
4844 N 300 W

4844 N 300 W PROVO, UT 84604

### Organic CBD Oil

Batch ID:	O-CO2-YP5-07820-B1	Test ID:	6080869.002
Reported:	6-Apr-2020	Method:	TM14
Туре:	Solution		
Test:	Potency		

### **CANNABINOID PROFILE**



% = % (w/w) = Percent (Weight of Analyte / Weight of Product)

Total THC = THC + (THCa \*(0.877)) and Total CBD = CBD + (CBDa \*/0.877) ND = None Detected (Defined by Dynamic Range of the method)

Compound	LOQ (mg/mL)	Result (mg/mL)	Result (mg/g)
Delta 9-Tetrahydrocannabinolic acid (THCA-A	A) 2.82	ND	ND
Delta 9-Tetrahydrocannabinol (Delta 9THC)	1.41	28.60	28.6
Cannabidiolic acid (CBDA)	1.89	ND	ND
Cannabidiol (CBD)	1.06	588.60	588.6
Delta 8-Tetrahydrocannabinol (Delta 8THC)	1.54	ND	ND
Cannabinolic Acid (CBNA)	3.87	ND	ND
Cannabinol (CBN)	1.71	ND	ND
Cannabigerolic acid (CBGA)	2.46	ND	ND
Cannabigerol (CBG)	1.39	9.50	9.5
Tetrahydrocannabivarinic Acid (THCVA)	2.42	ND	ND
Tetrahydrocannabivarin (THCV)	1.26	ND	ND
Cannabidivarinic Acid (CBDVA)	1.76	ND	ND
Cannabidivarin (CBDV)	0.96	ND	ND
Cannabichromenic Acid (CBCA)	2.11	ND	ND
Cannabichromene (CBC)	2.55	19.50	19.5
Total Cannabinoids		646.20	646.14
Total Potential THC**		28.60	28.60
Total Potential CBD**		588.60	588.60

NOTES:

Density = 1g/mL

N/A

# FINAL APPROVAL



Ryan Weems 6-Apr-2020 12:58 PM

Den Muton

Ben Minton 6-Apr-2020 4:02 PM

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<sup>\*</sup> Total Cannabinoids result reflects the absolute sum of all cannabinoids detected.

<sup>\*\*</sup> Total Potential THC/CBD is calculated using the following formulas to take into account the loss of a carboxyl group during decarboxylation step.



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4844 N 300 W PROVO, UT 84604

#### Organic CBD Oil

Batch ID:	O-CO2-YP5-07820-B1	Test ID:	5908109.0027
Reported:	3-Apr-2020	Method:	TM10
Type:	Concentrate		
Test:	Terpenes		

#### **TERPENE PROFILE**



<b>PREDOMINANT</b> TERPENES
-----------------------------

alpha-Pinene	0.000%	
(-)-beta-Pinene	0.000%	
beta-Myrcene	0.000%	
delta-3-Carene	0.000%	
alpha-Terpinene	0.000%	
d-Limonene	0.000%	
Linalool	0.000%	
beta-Caryophyllene	0.458%	
alpha-Humulene	0.199%	
(-)-alpha-Bisabolol		1.542%

Compound	%(w/w)	mg/g
(-)-alpha-Bisabolol	1.542	15.42
Camphene	N/A	N/A
delta-3-Carene	0.000	0
beta-Caryophyllene	0.458	4.58
(-)-Caryophyllene Oxide	0.000	0
p-Cymene	0.000	0
Eucalyptol	0.000	0
Geraniol	0.000	0
alpha-Humulene	0.199	1.99
(-)-Isopulegol	0.000	0
d-Limonene	0.000	0
Linalool	0.000	0
beta-Myrcene	0.000	0
cis-Nerolidol	0.000	0
trans-Nerolidol	0.000	0
Ocimene	0.000	0
beta-Ocimene	0.000	0
alpha-Pinene	0.000	0
(-)-beta-Pinene	0.000	0
alpha-Terpinene	0.000	0
gamma-Terpinene	0.000	0
Terpinolene	0.000	0
	2.199%	21.99

NOTES:

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Ryan Weems 3-Apr-2020 7:31 PM

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Greg Zimpfer 3-Apr-2020 9:02 PM

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Certificate #4329.02



prepared for: HEMPLUCID

4844 N 300 W PROVO, UT 84604

#### Organic CBD Oil

Batch ID:	O-CO2-YP5-07820-B1	Test ID:	T000070075
Reported:	9-Apr-2020	Method:	Concentrate - Test Methods: TM05, TM06
Type:	Concentrate		
Test:	Microbial Contaminants		

### MICROBIAL CONTAMINANTS

Contaminant	Result (CFU/g)*	
Total Aerobic Count**	None Detected	
Total Coliforms**	None Detected	
Total Yeast and Molds**	None Detected	
E. coli	None Detected	
Salmonella	None Detected	

<sup>\*</sup> CFU/g = Colony Forming Unit per Gram

Examples: 10^2 = 100 CFU

10<sup>3</sup> = 1,000 CFU 10<sup>4</sup> = 10,000 CFU 10<sup>5</sup> = 100,000 CFU

NOTES:

Free from visual mold, mildew, and foreign matter

TYM: None Detected

Total Aerobic: None Detected Coliforms: None Detected

### **FINAL APPROVAL**

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Robert Belfon 9-Apr-2020 10:42 AM

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Greg Zimpfer 9-Apr-2020 11:01 AM

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Certificate #4329.03

<sup>\*\*</sup> Values recorded in scientific notation, a common microbial practice of expressing numbers that are too large to be conveniently written in decimal form.



prepared for: HEMPLUCID 4844 N 300 W PROVO, UT 84604

Organic CBD Oil

**Batch ID:** O-CO2-YP5-07820-B1 **Test ID:** 4614057.0019

Reported: 7-Apr-2020 Method: TM17

Type: Concentrate

Test: Pesticides

### PESTICIDE RESIDUE

Compound	Dynamic Range (ppb)	Result (ppb)
Acephate	53 - 2447	ND*
Acetamiprid	53 - 2447	ND*
Abamectin	>317	ND*
Azoxystrobin	53 - 2447	ND*
Bifenazate	53 - 2447	ND*
Boscalid	53 - 2447	ND*
Carbaryl	53 - 2447	ND*
Carbofuran	53 - 2447	ND*
Chlorantraniliprole	53 - 2447	ND*
Chlorpyrifos	53 - 2447	ND*
Clofentezine	317 - 2447	ND*
Diazinon	317 - 2447	ND*
Dichlorvos	>317	ND*
Dimethoate	53 - 2447	ND*
E-Fenpyroximate	53 - 2447	ND*
Etofenprox	53 - 2447	ND*
Etoxazole	317 - 2447	ND*
Fenoxycarb	>53	ND*
Fipronil	53 - 2447	ND*
Flonicamid	53 - 2447	ND*
Fludioxonil	>317	ND*
Hexythiazox	53 - 2447	ND*
Imazalil	317 - 2447	ND*
Imidacloprid	53 - 2447	ND*
Kresoxim-methyl	53 - 2447	ND*

Compound	Dynamic Range (ppb)	Result (ppb)
Malathion	317 - 2447	ND*
Metalaxyl	53 - 2447	ND*
Methiocarb	53 - 2447	ND*
Methomyl	53 - 2447	ND*
MGK 264 1	317 - 2447	ND*
MGK 264 2	317 - 2447	ND*
Myclobutanil	53 - 2447	ND*
Naled	53 - 2447	ND*
Oxamyl	53 - 2447	ND*
Paclobutrazol	53 - 2447	ND*
Permethrin	317 - 2447	ND*
Phosmet	53 - 2447	ND*
Prophos	317 - 2447	ND*
Propoxur	53 - 2447	ND*
Pyridaben	53 - 2447	ND*
Spinosad A	53 - 2447	ND*
Spinosad D	317 - 2447	ND*
Spiromesifen	>317	ND*
Spirotetramat	>317	ND*
Spiroxamine 1	53 - 2447	ND*
Spiroxamine 2	53 - 2447	ND*
Tebuconazole	317 - 2447	ND*
Thiacloprid	53 - 2447	ND*
Thiamethoxam	53 - 2447	ND*
Trifloxystrobin	53 - 2447	ND*

N/A

### FINAL APPROVAL

PREPARED BY / DATE

Tyler Wiese 7-Apr-2020 3:00 PM

APPROVED BY / DATE

Greg Zimpfer 7-Apr-2020 7:53 PM

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<sup>\*</sup> ND = None Detected (Defined by Dynamic Range of the method)



prepared for: HEMPLUCID

4844 N 300 W PROVO, UT 84604

### **CBD Oil Concentrate**

Batch ID:	O-CO2-YP5-07820-B1	Test ID:	T000072777
Reported:	28-Apr-2020	Method:	TM04
Type:	Concentrate		
Test:	Residual Solvents		

### **RESIDUAL SOLVENTS**

Solvent	Dynamic Range (ppm)	Result (ppm)
Propane	75 - 1491	*ND
Butanes (Isobutane, n-Butane)	153 - 3068	*ND
Methanol	66 - 1317	*ND
Pentane	93 - 1851	*ND
Ethanol	100 - 1993	*ND
Acetone	106 - 2116	*ND
Isopropyl Alcohol	112 - 2239	*ND
Hexane	6 - 127	*ND
Ethyl Acetate	108 - 2165	*ND
Benzene	0.2 - 4.4	*ND
Heptanes	101 - 2019	*ND
Toluene	20 - 396	*ND
Xylenes (m,p,o-Xylenes)	145 - 2901	*ND

<sup>\*</sup> ND = None Detected (Defined by Dynamic Range of the method)

NOTES: N/A

### **FINAL APPROVAL**

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Ryan Weems 28-Apr-2020 2:34 PM Den Miton

Ben Minton 28-Apr-2020 2:51 PM

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