

USAHempCompany

Sample: 1904CH0226.1325

OR 97038  
hello@usahemp.com  
Lic. #

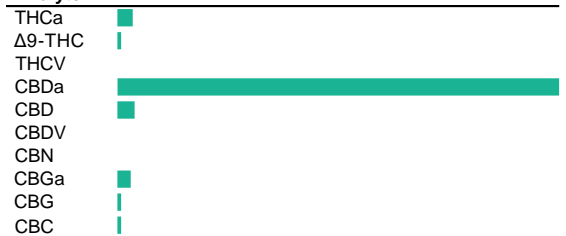
Strain: Cannatonic  
Batch#: ; Batch Size: 10g  
Sample Received: 02/12/2020; Report Created: 02/26/2020; Expires: 02/26/2021  
Harvest/Production Date: 10/30/2019  
Sampling: Random; Environment: Room Temp

**Barrel #98 - Cannatonic**

Plant, Flower - Cured, Outdoor  
Harvest Process Lot: ; METRC Batch: ; METRC Sample:



**Analyte**



**Cannabinoids**

301 HPLC4 20190423-2  
02/13/2020

1 Serving = , g  
servings/container,

Pass

**0.06%**  
Δ9-THC

**14.87%**  
Total CBD\*\* (Calculated  
Decarboxylated Potential)

**18.03%**  
Total Cannabinoids Analyzed

**9.3%**  
Moisture

Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.2	0.54	5.4
Δ9-THC	0.2	0.06	0.6
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	16.26	162.6
CBD	0.2	0.62	6.2
CBDV	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	0.45	4.5
CBG	0.2	0.06	0.6
CBC	0.2	0.05	0.5
<b>Total</b>		<b>18.03</b>	<b>180.3</b>

Method: CH SOP 400  
\*Total THC = THCa \* 0.877 + d9-THC. \*\*Total CBD = CBDa \* 0.877 + CBD. LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected

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## Heavy Metals

Complete

Analyte	Mass	LOQ	Limit	Status
	PPM	PPM	PPM	
Arsenic	0.03			Tested
Cadmium	0.02			Tested
Lead	0.08			Tested
Mercury	<LOQ			Tested

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## Terpenes

469 GCFID1 20190420-2  
02/13/2020

Analyte	Mass %	Mass mg/g	LOQ %	Analyte	Mass %	Mass mg/g	LOQ %
a-Pinene	0.03	0.3	█	Isoborneol	<LOQ	<LOQ	
Camphene	<LOQ	<LOQ		Borneol	0.01	0.1	
Sabinene	<LOQ	<LOQ		Hexahydro Thymol	<LOQ	<LOQ	
(-) - $\beta$ -Pinene	0.02	0.2		a-Terpineol	0.02	0.2	
$\beta$ -Myrcene	0.29	2.9	█	$\gamma$ -Terpineol	0.15	1.5	█
a-Phellandrene	<LOQ	<LOQ		Nerol	<LOQ	<LOQ	
o-3-Carene	<LOQ	<LOQ		Pulegone	<LOQ	<LOQ	
a-Terpinene	<LOQ	<LOQ		Geraniol	<LOQ	<LOQ	
Isopropyltoluene	<LOQ	<LOQ		Farnesene	0.02	0.2	
Limonene	0.03	0.3	█	a-Cedrene	0.01	0.1	
Eucalyptol	<LOQ	<LOQ		$\beta$ -Caryophyllene	0.13	1.3	█
Ocimene 1	0.01	0.1		a-Humulene	0.07	0.7	█
Ocimene 2	0.07	0.7	█	Valencene	0.02	0.2	
$\gamma$ -Terpinene	<LOQ	<LOQ		Geranyl Acetate	0.04	0.4	█
Sabinene Hydrate	<LOQ	<LOQ		cis-Nerolidol	<LOQ	<LOQ	
Fenchone	<LOQ	<LOQ		$\beta$ -Nerolidol	0.03	0.3	█
Terpinolene	<LOQ	<LOQ		trans-Nerolidol	0.01	0.1	
Linalool	0.03	0.3	█	Caryophyllene Oxide	0.02	0.2	
Endo-Fenchyl Alcohol	0.01	0.1		(-) -Guaiol	0.03	0.3	█
Camphor	<LOQ	<LOQ		Cedrol	0.01	0.1	
(-) -Isopulegol	<LOQ	<LOQ		(-) -a-Bisabolol	0.03	0.3	█

## Primary Aromas



Method: GC-FID CH SOP 401; based on dry weight; LOQ = Limit of Quantification; NR = Not Reported; ND = Not Detected



# Certificate of Analysis

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Microbials

Complete

1.0024  
02/13/2020

Analyte	Limit	Units	Status
Yeast & Mold	CFU/g	CFU/g <LOQ	Tested

Method: AOAC Method 997.02 & 990.12; Based on wet weight; CFU = Colony Forming Unit; TNC = Too Numerous to Count; NR = Not Reported; ND = Not Detected



5691 SE International Way B  
Portland, OR  
(503) 305-5252  
<http://chemhistory.com>  
Lic#OLCC010-1002015CA5E ORELAP4057

Patrick Trujillo  
Quality Assurance Director

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[support@confidentcannabis.com](mailto:support@confidentcannabis.com)  
(866) 506-5866  
[www.confidentcannabis.com](http://www.confidentcannabis.com)



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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
301 HPLC4 20190423-2	PMB04181901F	Cannabinoids	Blank

### QC Notes

None

Compounds	BlankResult	BlankMax%(LOQ)	BlankResult%	Notes
THCa	0.02	0.05	<LOQ	-
Δ9-THC	0	0.05	<LOQ	-
CBDa	0	0.05	<LOQ	-
CBD	0	0.05	<LOQ	-

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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
301 HPLC4 20190423-2	PLCS04181901F	Cannabinoids	Lab Control Sample

### QC Notes

None

Compounds	LCSResult (%)	LCSSpike	LCS%Rec	%Limits	Notes
THCa	4.09	4.45	91.91	70 - 130	-
Δ9-THC	2.97	3.47	85.59	70 - 130	-
CBDa	5.33	5.69	93.67	70 - 130	-
CBD	3.65	3.55	102.82	57 - 143	-

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## Quality Control Data

Analytical Batch ID	QC Sample ID	Assay Name	QC Category Name
301 HPLC4 20190423-2	PMS04181901F	Cannabinoids	Spike

### QC Notes

None

Compounds	LOQ	Matrix Duplicate % RPD	Duplicate RPD Notes	Matrix Spike % Rec	% Limits	Notes
THCa	0.02	5.57	<20	106	70 - 130	-
Δ9-THC	0.02	196.23	>20	5762	70 - 130	Above Limit Range
CBDa	0.02	6.06	<20	106	70 - 130	-
CBD	0.02	<LOQ	<LOQ	95	70 - 130	-