

### USA Hemp Company

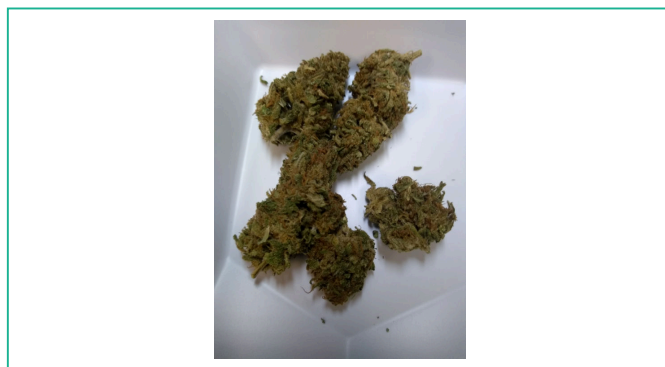
Sample: 1904CH0226.1124

OR 97038  
rafael@usahempc.com  
(503) 875-0101  
Lic. #

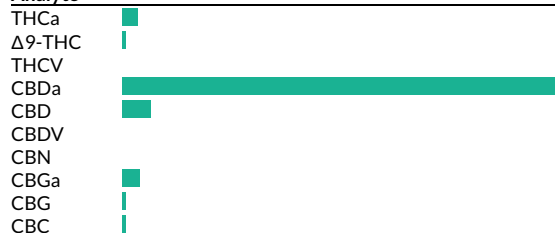
Strain: Golden Redwood  
Batch#: ; Batch Size: 10 g  
Sample Received: 04/18/2019; Report Created: 04/26/2019; Expires: 04/26/2020  
Harvest/Production Date: 10/30/2018  
Sampling: Random; Environment: Room Temp

### Barrel #71

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



#### Analyte

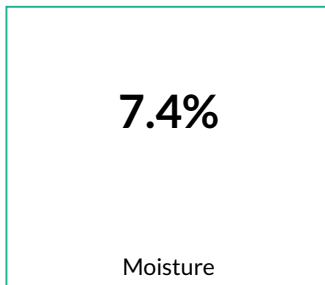
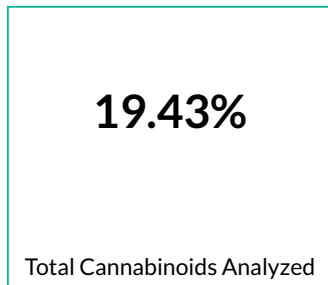
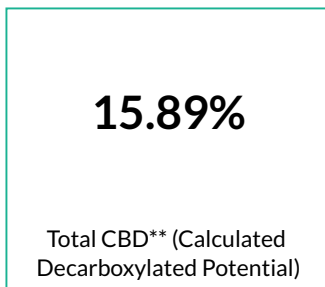
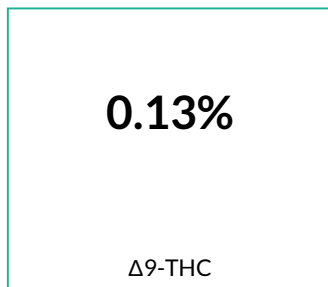


### Cannabinoids

301 HPLC4 20190423-2  
04/23/2019

1 Serving = . g  
servings/container,

Pass



Analyte	LOQ	Mass	Mass
	mg/g	%	mg/g
THCa	0.2	0.56	5.6
Δ9-THC	0.2	0.13	1.3
THCV	0.2	<LOQ	<LOQ
CBDa	0.2	16.85	168.5
CBD	0.2	1.11	11.1
CBDV	0.2	<LOQ	<LOQ
CBN	0.2	<LOQ	<LOQ
CBGa	0.2	0.63	6.3
CBG	0.2	0.07	0.7
CBC	0.2	0.09	0.9
<b>Total</b>		<b>19.43</b>	<b>194.3</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	0.02			Tested
Cadmium	0.16			Tested
Lead	0.04			Tested
Mercury	<LOQ			Tested

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## Terpenes

469 GCFID1 20190420-2  
04/20/2019

Analyte	Mass %	Mass mg/g	LOQ %	Analyte	Mass %	Mass mg/g	LOQ %
α-Pinene	0.08	0.8	█	Isoborneol	<LOQ	<LOQ	
Camphene	<LOQ	<LOQ		Borneol	<LOQ	<LOQ	
Sabinene	<LOQ	<LOQ		Hexahydro Thymol	<LOQ	<LOQ	
(-) -β-Pinene	0.03	0.3	█	α-Terpineol	0.01	0.1	
β-Myrcene	0.20	2.0	█	γ-Terpineol	0.03	0.3	█
α-Phellandrene	<LOQ	<LOQ		Nerol	<LOQ	<LOQ	
δ-3-Carene	<LOQ	<LOQ		Pulegone	<LOQ	<LOQ	
α-Terpinene	<LOQ	<LOQ		Geraniol	<LOQ	<LOQ	
p-Isopropyltoluene	<LOQ	<LOQ		Farnesene	0.01	0.1	
δ-Limonene	0.02	0.2	█	α-Cedrene	0.01	0.1	
Eucalyptol	<LOQ	<LOQ		β-Caryophyllene	0.44	4.4	█
Ocimene 1	<LOQ	<LOQ		α-Humulene	0.18	1.8	█
Ocimene 2	0.03	0.3	█	Valencene	0.03	0.3	█
γ-Terpinene	<LOQ	<LOQ		Geranyl Acetate	0.04	0.4	█
Sabinene Hydrate	<LOQ	<LOQ		cis-Nerolidol	0.01	0.1	
Fenchone	<LOQ	<LOQ		β-Nerolidol	0.12	1.2	█
Terpinolene	<LOQ	<LOQ		trans-Nerolidol	0.02	0.2	█
Linalool	0.05	0.5	█	Caryophyllene Oxide	0.04	0.4	█
Endo-Fenchyl Alcohol	0.01	0.1		(-) -Guaiol	0.01	0.1	
Camphor	<LOQ	<LOQ		Cedrol	0.01	0.1	
(-) -Isopulegol	<LOQ	<LOQ		(-) -α-Bisabolol	0.25	2.5	█

## 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

Informational Use Only - Not For Regulatory Use

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## Microbials

0.9929  
04/22/2019

Complete

Analyte	Limit	Units	Status
Yeast & Mold	CFU/g	CFU/g 201	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



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Patrick Trujillo  
Quality Assurance Director

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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	Blank Result	Blank Max % (LOQ)	Blank Result %	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	LCS Result (%)	LCS Spike	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	-

