



# Certificate of Analysis

Sample: CE11020006-004

Harvest/Lot ID: N/A

Metrc #: N/A

Metrc Source Package #: N/A

Batch Date: N/A

Batch#: N/A

Sample Size Received: 3 gram

Total Weight/Volume: N/A

Retail Product Size: N/A gram

Ordered: 10/20/21

sampled: 10/20/21

Completed: 10/25/21 Expires: 10/25/22

Sampling Method: SOP-024

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Oct 25, 2021 | Horn Creek Hemp

License # R&D

P.O.Box 517





Jacksonville, OR, 97530, US

PRODUCT IMAGE

SAFETY RESULTS

MISC.



									
Pesticides NOT TESTED	Heavy Metals NOT TESTED	Microbials NOT TESTED	Mycotoxins NOT TESTED	Residuals Solvents NOT TESTED	Filtration NOT TESTED	Water Activity NOT TESTED	Moisture TESTED	Homogeneity NOT TESTED	Terpenes TESTED

## CANNABINOID RESULTS



Total THC  
**0.893%**



Total CBD  
**11.688%**



Total Cannabinoids  
**15.873%**

	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	D9-THC	D8-THC	THCVA	CBC	THCA	CBCA
%	<LOQ	<LOQ	<LOQ	0.283	13.005	<LOQ	0.288	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	1.019	1.278
mg/g	<LOQ	<LOQ	<LOQ	2.83	130.05	<LOQ	2.88	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	10.19	12.78
LOQ	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
	%	%	%	%	%	%	%	%	%	%	%	%	%	%

## Cannabinoid Profile Test

Analyzed by 13	Weight 1.008g	Extraction date : 10/21/21 03:10:11	Extracted By : 13
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 10/22/21 13:54:17	Batch Date : 10/21/21 15:11:55
Analytical Batch -CE000470POT		Instrument Used : HPLC 2030 EID 0055 Running On :	

Reagent	Dilution	Consums. ID	Consums. ID
091721.03	800	D01493069 229920161AS1N 436020160AS3 436020338AS2 436021005AS3 C0000642 041CD-041C 042C4-042AL	F148560 0325891

"Total THC" and "Total CBD" are calculated values and are an Oregon reporting requirement (OAR 333-064-0100). For Cannabinoid analysis, only delta 9-THC, THCA, CBD, CBDA are ORELAP accredited analytes. Cannabinoid values reported for plant matter are dry weight corrected; Instrument LOQ for all cannabinoids is 0.5 mg/mL, LOQ 'in matrix' is dependent on extraction parameters. FD = Field Duplicate; LOQ = Limit of Quantitation.

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Anthony Smith  
Lab Director

State License #  
010-10166277B9D  
ISO Accreditation # 99861



Signature

10/25/21

Signed On



# Certificate of Analysis

**Horn Creek Hemp**

P.O.Box 517  
Jacksonville, OR, 97530, US  
**Telephone:** (541) 261-4900  
**Email:** sales@horncreekhemp.com  
**License #:** R&D

**Sample : CE11020006-004**  
**Harvest/LOT ID: N/A**

**Batch# : N/A**  
**Sampled : 10/20/21**  
**Ordered : 10/20/21**

**Sample Size Received : 3 gram**  
**Total Weight/Volume : N/A**  
**Completed : 10/25/21 Expires: 10/25/22**  
**Sample Method : SOP-024**

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## Terpenes

**TESTED**

Terpenes	LOQ(mg/g)	Result (mg/g)	Result	Terpenes	LOQ(mg/g)	Result (mg/g)	Result
TRANS-CARYOPHYLLENE	0.08	6.435		TERPINOLENE	0.08	4.489	
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.08	0.122		LINALOOL	0.08	0.087	
CAMPHOR	0.08	<LOQ		GERANIOL	0.08	<LOQ	
(1R)-(+)-CAMPHOR	0.08	<LOQ		GAMMA-TERPINENE	0.08	<LOQ	
(1S)-(-)-CAMPHOR	0.08	<LOQ		EUCALYPTOL	0.08	0.083	
HEXAHYDROTHYMOL (L-MENTHOL)	0.08	<LOQ		(-)-ALPHA-BISABOLOL	0.08	0.39	
TERPINEOL	0.08	<LOQ		(-)-ISOPULEGOL	0.08	<LOQ	
NEROL	0.08	<LOQ		(-)-CARYOPHYLLENE	0.08	0.212	
(+)-PULEGONE	0.08	<LOQ		OXIDE			
GERANYL ACETATE	0.08	<LOQ		ISOBORNEOL	0.08	<LOQ	
ALPHA-CEDRENE	0.08	<LOQ		CAMPHERE	0.08	<LOQ	
ALPHA-HUMULENE	0.08	2.919					
VALENCENE	0.08	<LOQ					
ALPHA FARNESENE	0.02	0.67					
BETA FAMESENE	0.059	2.086					
CIS-NEROLIDOL	0.08	<LOQ					
TRANS-NEROLIDOL	0.08	0.195					
GUAIAL	0.02	0.769					
(+)-CEDROL	0.08	<LOQ					
BETA-PINENE	0.08	0.961					
FENCHONE	0.08	<LOQ					
ALPHA-TERPINENE	0.08	0.128					
SABINENE HYDRATE	0.08	<LOQ					
BETA-OCIMENE, CIS-OCIMENE	0.012	0.021					
TRANS-BETA-OCIMENE	0.067	<LOQ					
(R)-(+)-LIMONENE	0.08	0.968					
(1S)-(+)-3-CARENE	0.08	0.188					
P-MENTHA-1,5-DIENE (ALPHA-PHELLANDRENE)	0.08	0.172					
BETA-MYRCENE	0.08	6.902					
SABINENE	0.08	<LOQ					
A-PINENE	0.08	2.267					
<b>Total (mg/g)</b>		<b>30.064</b>					



### Terpenes

**TESTED**

Analyzed by 12	Weight 1006g	Extraction date 10/21/21 03:10:26	Extracted By 12
Analysis Method - SOP-T.40.090		Reviewed On - 10/22/21 13:57:09	
Analytical Batch - CE000471TER			
Instrument Used : GCMS-QP2020 EID:0170			
Running On : 10/21/21 15:24:58			
Batch Date : 10/21/21 15:19:33			
Reagent	Dilution	Consums. ID	
	80		

Terpenoid profile screening is performed using GC-MS with Liquid Injection (Gas Chromatography - Mass Spectrometry) using Method SOP-T.40.091 Terpenoid Analysis Via GC-MS



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**Batch# :** N/A  
**Sampled :** 10/20/21  
**Ordered :** 10/20/21

**Sample Size Received :** 3 gram  
**Total Weight/Volume :** N/A  
**Completed :** 10/25/21 **Expires:** 10/25/22  
**Sample Method :** SOP-024

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	<b>Moisture</b>	<b>TESTED</b>
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Analyte	Analyzed by	Weight Ext. date	LOQ	A.L	Result
MOISTURE CONTENT	13	1.578g 10/21/21	0 %	15%	12.1 %

**Analysis Method -** SOP.T.40.011  
**Analytical Batch -** CE000472MOI  
**Instrument Used :** Sartorius Moisture Content Analyzer MA-160 EID 0164

**Batch Date :** 10/21/21 15:24:02  
**Reviewed On -** 10/22/21 07:41:31

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# POTENCY BATCH QC REPORT

 **METHOD BLANK**

Cannabinoid	LOQ	Result	Units
CBDV_WET	0.05	<LOQ	%
CBDVA_WET	0.05	<LOQ	%
THCV_WET	0.05	<LOQ	%
CBD_WET	0.05	<LOQ	%
CBG_WET	0.05	<LOQ	%
CBDA_WET	0.05	<LOQ	%
CBN_WET	0.05	<LOQ	%
CBGA_WET	0.05	<LOQ	%
THCVA_WET	0.05	<LOQ	%
D9-THC_WET	0.05	<LOQ	%
D8-THC_WET	0.05	<LOQ	%
CBC_WET	0.05	<LOQ	%
THCA_WET	0.05	<LOQ	%
CBC-A_WET	0.05	<LOQ	%
TOTAL CANNABINOIDS	0.05	<LOQ	%
TOTAL CBD	0.05	<LOQ	%
TOTAL THC	0.05	<LOQ	%
CBDV	0.05	<LOQ	%
CBDVA	0.05	<LOQ	%
CBG	0.05	<LOQ	%
CBD	0.05	<LOQ	%
CBDA	0.05	<LOQ	%
THCV	0.05	<LOQ	%
CBGA	0.05	<LOQ	%
CBN	0.05	<LOQ	%
D9-THC	0.05	<LOQ	%
D8-THC	0.05	<LOQ	%
THCVA	0.05	<LOQ	%
CBC	0.05	<LOQ	%
THCA	0.05	<LOQ	%
CBCA	0.05	<LOQ	%

**Analytical Batch - CE000470POT**  
**Instrument Used : HPLC 2030 EID 0055**

 **LCS**

Cannabinoid	LOQ	Recovery	Units	Recovery Limits
CBG_WET	0.05	102.5	%	70-130
CBD_WET	0.05	101.5	%	70-130
CBDA_WET	0.05	102.3	%	70-130
THCV_WET	0.05	107.3	%	70-130
CBGA_WET	0.05	101.1	%	70-130
CBN_WET	0.05	105.3	%	70-130
D9-THC_WET	0.05	103.5	%	70-130
CBC_WET	0.05	102.1	%	70-130
THCA_WET	0.05	106.6	%	70-130
CBC-A_WET	0.05	101	%	70-130

**Analytical Batch - CE000470POT**  
**Instrument Used : HPLC 2030 EID 0055**

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