



# Certificate of Analysis

Sample: CE11020006-010  
Harvest/Lot ID: N/A  
Metrac #: N/A  
Metrac 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

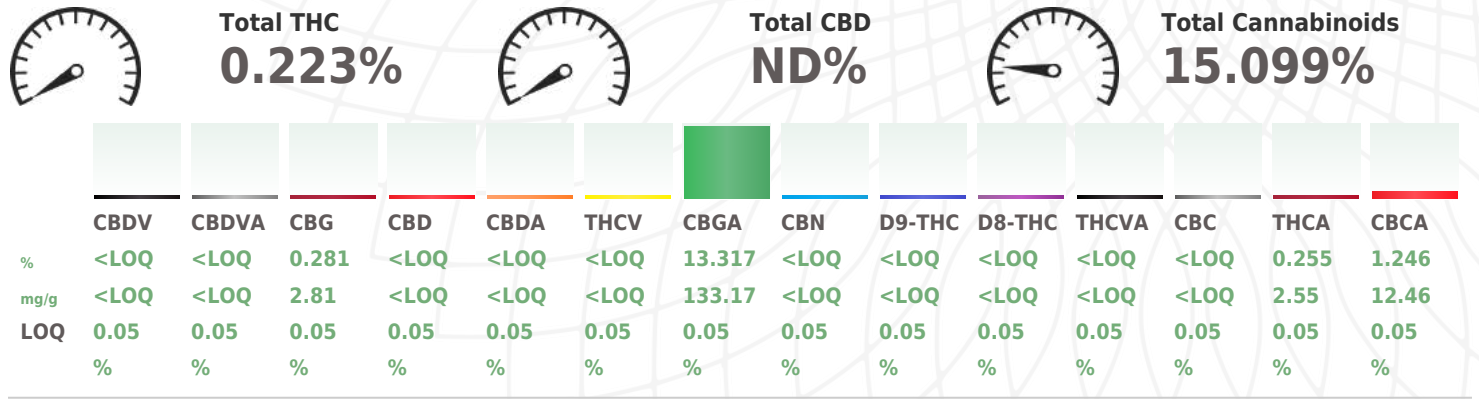
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Oct 25, 2021 | Horn Creek Hemp

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	 Filth NOT TESTED	 Water Activity NOT TESTED	 Moisture TESTED	 Homogeneity NOT TESTED	 Terpenes TESTED

## CANNABINOID RESULTS



## Cannabinoid Profile Test


Analyzed by 13	Weight 1.047g	Extraction date : 10/21/21 03:10:12	Extracted By : 13
Analysis Method -SOP.T.40.020, SOP.T.30.050		Reviewed On - 10/22/21 13:53:23	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 : CE11020006-010**  
**Harvest/LOT ID: N/A**

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



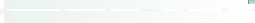
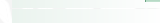



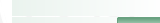





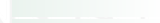
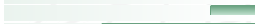

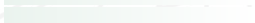
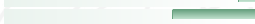







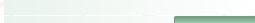
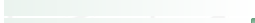

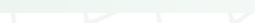













**Sample Size Received : 3 gram**  
**Total Weight/Volume : N/A**  
**Completed : 10/25/21 Expires: 10/25/22**  
**Sample Method : SOP-024**

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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	2.143		TERPINOLENE	0.08	<LOQ	
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.08	0.126		LINALOOL	0.08	0.383	
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	<LOQ	
HEXAHYDROTHYMOL (L-MENTHOL)	0.08	<LOQ		(-)-ALPHA-BISABOLOL	0.08	0.841	
TERPINEOL	0.08	0.172		(-)-ISOPULEGOL	0.08	<LOQ	
NEROL	0.08	<LOQ		(-)-CARYOPHYLLENE	0.08	<LOQ	
(+)-PULEGONE	0.08	<LOQ		OXIDE			
GERANYL ACETATE	0.08	<LOQ		ISOBORNEOL	0.08	<LOQ	
ALPHA-CEDRENE	0.08	<LOQ		CAMPHENE	0.08	<LOQ	
ALPHA-HUMULENE	0.08	0.63					
VALENCENE	0.08	<LOQ					
ALPHA FARNESENE	0.02	0.502					
BETA FAMESENE	0.059	1.6					
CIS-NEROLIDOL	0.08	<LOQ					
TRANS-NEROLIDOL	0.08	0.213					
GUAIAL	0.02	0.884					
(+)-CEDROL	0.08	<LOQ					
BETA-PINENE	0.08	0.085					
FENCHONE	0.08	<LOQ					
ALPHA-TERPINENE	0.08	<LOQ					
SABINENE HYDRATE	0.08	<LOQ					
BETA-OCIMENE, CIS-OCIMENE	0.012	<LOQ					
TRANS-BETA-OCIMENE	0.067	<LOQ					
(R)-(+)-LIMONENE	0.08	0.655					
(1S)-(+)-3-CARENE	0.08	<LOQ					
P-MENTHA-1,5-DIENE (ALPHA-PHELLANDRENE)	0.08	<LOQ					
BETA-MYRCENE	0.08	0.856					
SABINENE	0.08	<LOQ					
A-PINENE	0.08	0.089					
<b>Total (mg/g)</b>		<b>9.179</b>					



## Terpenes

**TESTED**

Analyzed by 12	Weight 1047g	Extraction date 10/21/21 03:10:26	Extracted By 12
Analysis Method - SOP-T.40.090		Reviewed On - 10/22/21 13:58:13	
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 Spectrometer) using Method SOP-T.40.091 Terpenoid Analysis Via GC-MS



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**License #:** R&D

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**Harvest/LOT ID: N/A**  
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**Sampled : 10/20/21**  
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**Sample Size Received : 3 gram**  
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**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	1.543g 10/21/21	0 %	15%	9.33 %

**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 07:42:35**

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**Anthony Smith**  
Lab Director  
State License #  
010-10166277B9D  
ISO Accreditation # 99861



Signature

10/25/21

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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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 \_\_\_\_\_  
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