



Certificate of Analysis

Sample: CE11020006-009
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

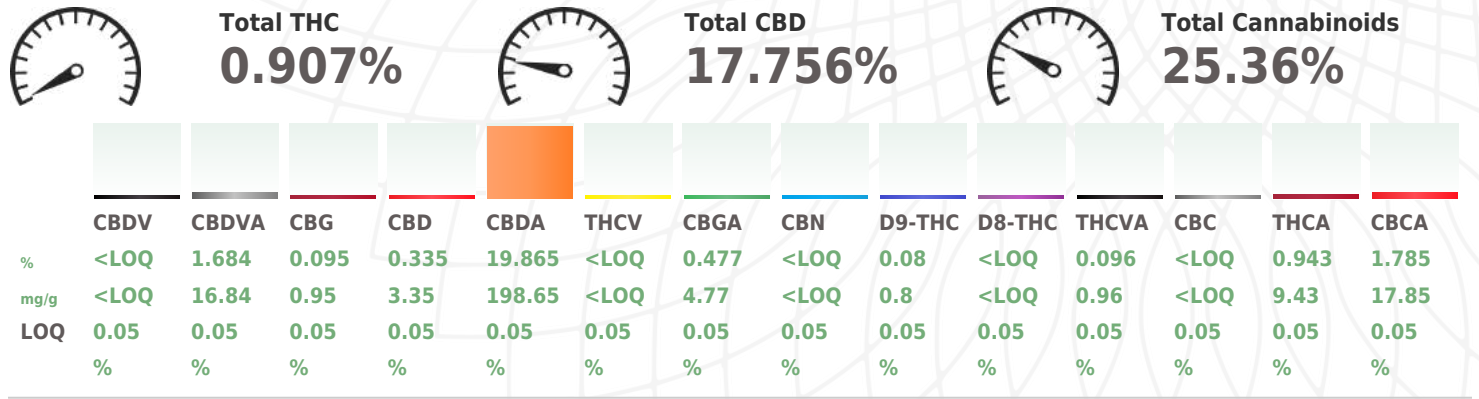
Oct 25, 2021 | Horn Creek Hemp

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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 0.49g	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 13:53:33	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	400	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


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10/25/21
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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 : CE11020006-009
Harvest/LOT ID: N/A

Batch# : N/A
Sampled : 10/20/21
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Sample Size Received : 3 gram
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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	1.61		TERPINOLENE	0.08	6.83	
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.08	0.185		LINALOOL	0.08	0.323	
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	<LOQ	
TERPINEOL	0.08	0.486		(-)-ISOPULEGOL	0.08	<LOQ	
NEROL	0.08	0.09		(-)-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	0.494					
VALENCENE	0.08	<LOQ					
ALPHA FARNESENE	0.02	0.097					
BETA FAMESENE	0.059	0.279					
CIS-NEROLIDOL	0.08	<LOQ					
TRANS-NEROLIDOL	0.08	<LOQ					
GUAIAL	0.02	<LOQ					
(+)-CEDROL	0.08	<LOQ					
BETA-PINENE	0.08	1.185					
FENCHONE	0.08	<LOQ					
ALPHA-TERPINENE	0.08	0.203					
SABINENE HYDRATE	0.08	<LOQ					
BETA-OCIMENE, CIS-OCIMENE	0.012	0.544					
TRANS-BETA-OCIMENE	0.067	0.129					
(R)-(+)-LIMONENE	0.08	1.453					
(1S)-(+)-3-CARENE	0.08	0.279					
P-MENTHA-1,5-DIENE (ALPHA-PHELLANDRENE)	0.08	0.23					
BETA-MYRCENE	0.08	10.533					
SABINENE	0.08	<LOQ					
A-PINENE	0.08	2.656					
Total (mg/g)		27.606					

Terpenes TESTED

Analyzed by	Weight	Extraction date	Extracted By
12	469g	10/21/21 09:10:26	12

Analysis Method - SOP-T.40.090
 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
	40	

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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Sample Method : SOP-024

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	Moisture	TESTED
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Analyte	Analyzed by	Weight Ext. date	LOQ	A.L	Result
MOISTURE CONTENT	13	0.549g 10/21/21	0 %	15%	10.02 %

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 07:42:29

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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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