



Certificate of Analysis

Oct 25, 2021 | Horn Creek Hemp

License # R&D

P.O.Box 517

Jacksonville, OR, 97530, US

Sample:CE11020006-005

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

Page 1 of 4

PRODUCT IMAGE

SAFETY RESULTS

	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

 Total THC
0.968%

 Total CBD
16.901%

 Total Cannabinoids
22.798%

	CBDV	CBDVA	CBG	CBD	CBDA	THCV	CBGA	CBN	D9-THC	D8-THC	THCVA	CBC	THCA	CBCA
%	<LOQ	0.091	<LOQ	0.352	18.871	<LOQ	0.649	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	1.104	1.731
mg/g	<LOQ	0.91	<LOQ	3.52	188.71	<LOQ	6.49	<LOQ	<LOQ	<LOQ	<LOQ	<LOQ	11.04	17.31
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

0.526g

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 13:54:11

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
22920161AS1N
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.

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Anthony Smith

Lab Director

State License #

010-1016627789D

ISO Accreditation # 99861

10/25/21

Signature

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 : CE11020006-005

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

Page 2 of 4

TESTED



Terpenes

Terpenes	LOQ(mg/g)	Result (mg/g)	Result
TRANS-CARYOPHYLLENE	0.08	6.492	
(1R)-ENDO-(+)-FENCHYL ALCOHOL	0.08	0.123	
CAMPHOR	0.08	<LOQ	
(1R)-(+)-CAMPHOR	0.08	<LOQ	
(1S)-(-)-CAMPHOR	0.08	<LOQ	
HEXAHYDROTHYMOL (L-MENTHOL)	0.08	<LOQ	
TERPINEOL	0.08	0.16	
NEROL	0.08	<LOQ	
(+)-PULEGONE	0.08	<LOQ	
GERANYL ACETATE	0.08	<LOQ	
ALPHA-CEDRENE	0.08	<LOQ	
ALPHA-HUMULENE	0.08	2.897	
VALENCENE	0.08	<LOQ	
ALPHA FARNESENE	0.02	1.064	
BETA FAMESENE	0.059	3.246	
CIS-NEROLIDOL	0.08	<LOQ	
TRANS-NEROLIDOL	0.08	0.213	
GUAIOL	0.02	0.635	
(+)-CEDROL	0.08	<LOQ	
BETA-PINENE	0.08	1.136	
FENCHONE	0.08	<LOQ	
ALPHA-TERPINENE	0.08	<LOQ	
SABINENE HYDRATE	0.08	<LOQ	
BETA-O CIMENE, CIS-O CIMENE	0.012	0.063	
TRANS-BETA-O CIMENE	0.067	<LOQ	
(R)-(+)-LIMONENE	0.08	0.991	
(1S)-(+)-3-CARENE	0.08	<LOQ	
P-MENTHA-1,5-DIENE (ALPHA-PHELLANDRENE)	0.08	<LOQ	
BETA-MYRCENE	0.08	8.171	
SABINENE	0.08	<LOQ	
A-PINENE	0.08	3.231	
Total (mg/g)	30.095		

Terpenes	LOQ(mg/g)	Result (mg/g)	Result
TERPINOLENE	0.08	<LOQ	
LINALOOL	0.08	0.398	
GERANIOL	0.08	<LOQ	
GAMMA-TERPINENE	0.08	<LOQ	
EUCALYPTOL	0.08	<LOQ	
(-)-ALPHA-BISABOLOL	0.08	0.955	
(-)-ISOPULEGOL	0.08	<LOQ	
(-)-CARYOPHYLLENE	0.08	0.238	
OXIDE			
ISOBORNEOL	0.08	<LOQ	
CAMPHENENE	0.08	0.082	

Terpenes TESTED

Analyzed by 12 Weight 526g Extraction date 10/21/21 03:10:26 Extracted By 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

Reviewed On - 10/22/21 13:57:25

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

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Anthony Smith

Lab Director

State License #

010-1016627789D

ISO Accreditation # 99861

10/25/21

Signature

Signed On



540 E Vilas Rd Suite F
Central Point, OR, 97502, US

Kaycha Labs

.....
Lifter
N/A
Sample Type : Hemp Flower



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 : CE11020006-005

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

Page 3 of 4



Moisture

TESTED

Analyte	Analyzed by	Weight Ext. date	LOQ	A.L	Result
MOISTURE CONTENT	13	1.823g	10/21/21	0 %	15% 12.34 %

Analysis Method -
SOP.T.40.011

Batch Date : 10/21/21 15:24:02

Analytical Batch -
CE000472MOI

Reviewed On - 10/22/21 07:42:19

Instrument Used : Sartorius Moisture Content Analyzer MA-160 EID
0164

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion. Limit of Detection (LoD) and Limit Of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Anthony Smith

Lab Director

State License #

010-1016627789D

ISO Accreditation # 99861

10/25/21

Signature

Signed On

POTENCY BATCH QC REPORT

Page 4 of 4



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

This report shall not be reproduced, unless in its entirety, without written approval from Kaycha Labs. This report is an Kaycha Labs certification. The results relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. Void after 1 year from test end date. Cannabinoid content of batch material may vary depending on sampling error. IC=In-control QC parameter, NC=Non-controlled QC parameter, ND=Not Detected, NA=Not Analyzed, ppm=Parts Per Million, ppb=Parts Per Billion, Limit of Detection (LoD) and Limit of Quantitation (LoQ) are terms used to describe the smallest concentration that can be reliably measured by an analytical procedure. RPD=Reproducibility of two measurements. Action Levels are State determined thresholds variable based on uncertainty of measurement (UM) for the analyte. The UM error is available from the lab upon request. The "Decision Rule" for the pass/fail does not include the UM. The limits are based on F.S. Rule 64-4.310.

Anthony Smith

Anthony S. ... Lab Director

State License #

010-10166277B9D

Anthony Smith

10/25/21

Signed On