



Certificate of Analysis

Sample: CE11220006-001

Harvest/Lot ID: N/A

Batch#: N/A

Metric Source Package #: N/A

Metric #: N/A

Batch Date: N/A

Sample Size Received: 8 gram

Total Weight/Volume: N/A

Retail Product Size: N/A gram

Ordered : 12/20/21

sampled : 12/20/21

Completed: 12/29/21 Expires: 12/29/22

Sampling Method: SOP-024

Page 1 of 7

Dec 29, 2021 | Horn Creek Hemp

License # R&D

P.O.Box 517

Jacksonville, OR, 97530, US

PRODUCT IMAGE

SAFETY RESULTS



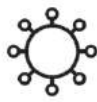
**Pesticides
TESTED**



**Heavy Metals
TESTED**



**Microbials
NOT TESTED**



**Mycotoxins
TESTED**



**Residuals
Solvents
NOT TESTED**



**Filth
NOT TESTED**



**Water Activity
NOT TESTED**



**Moisture
NOT TESTED**



**Homogeneity
NOT TESTED**



**Terpenes
NOT TESTED**

MISC.



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 : CE11220006-001

Harvest/Lot ID: N/A

Batch# : N/A

Sampled : 12/20/21

Ordered : 12/20/21

Sample Size Received : 8 gram

Total Weight/Volume : N/A

Completed : 12/29/21 Expires: 12/29/22

Sample Method : SOP-024

Page 2 of 7



Pesticides

TESTED

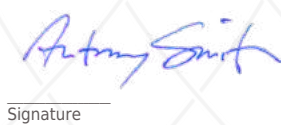
Pesticides	LOQ	Units	Action Level	Result	Pesticides	LOQ	Units	Action Level	Result
ABAMECTIN	0.25	ppm	0.5	<LOQ	SPINOSAD	0.1	ppm	0.2	<LOQ
ACEPHATE	0.2	ppm	0.4	<LOQ	SPIROMESIFEN	0.1	ppm	0.2	<LOQ
ACEQUINOCLYL	1	ppm	2	<LOQ	SPIROTETRAMAT	0.1	ppm	0.2	<LOQ
ACETAMIPRID	0.1	ppm	0.2	<LOQ	SPIROXAMINE	0.2	ppm	0.4	<LOQ
ALDICARB	0.2	ppm	0.4	<LOQ	TEBUCONAZOLE	0.2	ppm	0.4	<LOQ
AZOXYSTROBIN	0.1	ppm	0.2	<LOQ	THIACLOPRID	0.1	ppm	0.2	<LOQ
BIFENAZATE	0.1	ppm	0.2	<LOQ	THIAMETHOXAM	0.1	ppm	0.2	<LOQ
BIFENTHRIN	0.1	ppm	0.2	<LOQ	TRIFLOXYSTROBIN	0.1	ppm	0.2	<LOQ
BOSCALID	0.2	ppm	0.4	<LOQ	MGK-264 *	0.1	ppm	0.2	<LOQ
CARBARYL	0.1	ppm	0.2	<LOQ	METHYL PARATHION *	0.1	ppm	0.2	<LOQ
CARBOFURAN	0.1	ppm	0.2	<LOQ	CYPERMETHRIN *	0.5	ppm	1	<LOQ
CHLORANTRANILIPROLE	0.1	ppm	0.2	<LOQ	CYFLUTHRIN *	0.5	ppm	1	<LOQ
CHLORPYRIFOS	0.1	ppm	0.2	<LOQ	CHLORFENAPYR *	0.5	ppm	0.5	<LOQ
CLOFENTEZINE	0.1	ppm	0.2	<LOQ					
DAMINOZIDE	0.5	ppm	1	<LOQ					
DDVP (DICHLORVOS)	0.5	ppm	1	<LOQ					
DIAZINON	0.1	ppm	0.2	<LOQ					
DIMETHOATE	0.1	ppm	0.2	<LOQ					
ETHOPROPHOS	0.1	ppm	0.2	<LOQ					
ETOFENPROX	0.2	ppm	0.4	<LOQ					
ETOXAZOLE	0.1	ppm	0.2	<LOQ					
FENOXYCARB	0.1	ppm	0.2	<LOQ					
FENPYROXIMATE	0.2	ppm	0.4	<LOQ					
FIPRONIL	0.2	ppm	0.4	<LOQ					
FLONICAMID	0.5	ppm	1	<LOQ					
FLUDIOXONIL	0.2	ppm	0.4	<LOQ					
HEXYTHIAZOX	0.5	ppm	1	<LOQ					
IMAZALIL	0.1	ppm	0.2	<LOQ					
IMIDACLOPRID	0.2	ppm	0.4	<LOQ					
KRESOXIM-METHYL	0.2	ppm	0.4	<LOQ					
MALATHION	0.1	ppm	0.2	<LOQ					
METALAXYL	0.1	ppm	0.2	<LOQ					
METHIOCARB	0.1	ppm	0.2	<LOQ					
METHOMYL	0.2	ppm	0.4	<LOQ					
MYCLOBUTANIL	0.1	ppm	0.2	<LOQ					
NALED	0.25	ppm	0.5	<LOQ					
OXAMYL	0.5	ppm	1	<LOQ					
PACLOBUTRAZOL	0.2	ppm	0.4	<LOQ					
PERMETHRINS	0.1	ppm	0.2	<LOQ					
PHOSMET	0.1	ppm	0.2	<LOQ					
PIPERONYL BUTOXIDE	1	ppm	2	<LOQ					
PRALLETHRIN	0.1	ppm	0.2	<LOQ					
PROPICONAZOLE	0.2	ppm	0.4	<LOQ					
PROPOXUR	0.1	ppm	0.2	<LOQ					
PYRETHRINS	0.5	ppm	1	<LOQ					
PYRIDABEN	0.1	ppm	0.2	<LOQ					

Pesticides **TESTED**

Analyzed by 12, 12	Weight 0.51g	Extraction date 12/22/21 02:12:23	Extracted By 12, 12
<small>Analysis Method - SOP.T.30.060, SOP.T.40.060, Analytical Batch - CE000660PES, CE000661VOL Instrument Used : LCMSMS 8050 EID:0081-0085 , GCMS-TQ8040 EID:0133 Running On : 12/22/21 14:58:25 , 12/22/21 15:00:13</small>			
Reagent	Dilution 10	Consums. ID	
<small>Samples prepared and quantitatively analyzed by LC-MS/MS & GC-MS/MS. Results above the action level fail Oregon state testing requirements for cannabis and hemp. LOQ= Limit of Quantitation; PPM= Parts per million; ND= Not detected; NT= Not tested; AC= Above calibration range. PASS/FAIL status based on OAR 333-007-0400. *</small>			

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



Signature

12/29/21
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 : CE11220006-001
Harvest/Lot ID: N/A
Batch# : N/A
Sampled : 12/20/21
Ordered : 12/20/21

Sample Size Received : 8 gram
Total Weight/Volume : N/A
Completed : 12/29/21 **Expires:** 12/29/22
Sample Method : SOP-024

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Mycotoxins

TESTED

Analyte	LOQ	Units	Result	Action Level
AFLATOXIN G2		ppb	<LOQ	20
AFLATOXIN G1		ppb	<LOQ	20
AFLATOXIN B2		ppb	<LOQ	20
AFLATOXIN B1		ppb	<LOQ	20
OCHRATOXIN A+		ppb	<LOQ	100
AFLATOXINS		ppb	<LOQ	20

Analysis Method -SOP.T.30.060, SOP.T.40.060
Analytical Batch -CE000667MYC | **Reviewed On -** 12/27/21 11:41:59
Instrument Used :
Running On :
Batch Date : 12/23/21 14:19:59

Analyzed by	Weight	Extraction date	Extracted By
12	0.502g	12/27/21 11:12:12	11

Aflatoxins B1, B2, G1, G2, and Ochratoxins A testing using LC-MS/MS. (Method: SOP.T.30.060 for Sample Preparation and SOP.T40.060 Procedure for Mycotoxins Quantification Using LCMS/MS. LOQ is 50 ppb for Ochratoxin and 5.0 ppb for all others. This is not a TNI or ISO accredited assay.



Heavy Metals

TESTED

Dilution
1

Metal	LOQ	Unit	Result	Action Level
ARSENIC	0.005	ppm	0.033	0.2
CADMIUM	0.004	ppm	0.037	0.2
MERCURY	0.01	ppm	<LOQ	0.1
LEAD	0.03	ppm	0.052	0.5

Analyzed by	Weight	Extraction date	Extracted By
NA	NA	NA	NA

Analysis Method -SOP.T.40.050, SOP.T.30.052
Analytical Batch - | **Reviewed On -** 12/28/21 13:08:06
Instrument Used :
Running On :
Batch Date :

Heavy Metals screening is performed using ICP-MS (Inductively Coupled Plasma - Mass Spectrometry), screening down to below single digit ppb for regulated heavy metals.

Metals sample testing was performed at Kaycha Labs Tennessee, ISO17025 (Knoxville, TN); Analytical batch ID: KN001594HEA, 11/30/21

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



Signature

12/29/21

Signed On



PESTICIDES BATCH QC REPORT



METHOD BLANK

Pesticides	LOQ	Result	Units	Pesticides	LOQ	Result	Units
DAMINOZIDE	0.5	<LOQ	ppm	ABAMECTIN	0.25	<LOQ	ppm
ACEPHATE	0.2	<LOQ	ppm	ETOFENPROX	0.2	<LOQ	ppm
FLONICAMID	0.5	<LOQ	ppm	BIFENTHRIN	0.1	<LOQ	ppm
OXAMYL	0.5	<LOQ	ppm	FLUDIOXONIL	0.2	<LOQ	ppm
METHOMYL	0.2	<LOQ	ppm	FIPRONIL	0.2	<LOQ	ppm
THIAMETHOXAM	0.1	<LOQ	ppm	ACEQUINOCYL	1	<LOQ	ppm
IMIDACLOPRID	0.2	<LOQ	ppm	SPINOSAD	0.1	<LOQ	ppm
DIMETHOATE	0.1	<LOQ	ppm	PYRETHRINS	0.5	<LOQ	ppm
ACETAMIPRID	0.1	<LOQ	ppm				
THIACLOPRID	0.1	<LOQ	ppm				
ALDICARB	0.2	<LOQ	ppm				
DDVP (DICHLORVOS)	0.5	<LOQ	ppm				
PROPOXUR	0.1	<LOQ	ppm				
CARBOFURAN	0.1	<LOQ	ppm				
CARBARYL	0.1	<LOQ	ppm				
IMAZALIL	0.1	<LOQ	ppm				
METALAXYL	0.1	<LOQ	ppm				
CHLORANTRANILIPROLE	0.1	<LOQ	ppm				
PHOSMET	0.1	<LOQ	ppm				
SPIROXAMINE	0.2	<LOQ	ppm				
NALED	0.25	<LOQ	ppm				
METHIOCARB	0.1	<LOQ	ppm				
AZOXYSTROBIN	0.1	<LOQ	ppm				
BOSCALID	0.2	<LOQ	ppm				
PACLOBUTRAZOL	0.2	<LOQ	ppm				
MALATHION	0.1	<LOQ	ppm				
MYCLOBUTANIL	0.1	<LOQ	ppm				
BIFENAZATE	0.1	<LOQ	ppm				
SPIROTETRAMAT	0.1	<LOQ	ppm				
ETHOPROPHOS	0.1	<LOQ	ppm				
FENOXYCARB	0.1	<LOQ	ppm				
KRESOXIM-METHYL	0.2	<LOQ	ppm				
TEBUCONAZOLE	0.2	<LOQ	ppm				
DIAZINON	0.1	<LOQ	ppm				
PROPICONAZOLE	0.2	<LOQ	ppm				
CLOFENTEZINE	0.1	<LOQ	ppm				
PRALLETHRIN	0.1	<LOQ	ppm				
TRIFLOXYSTROBIN	0.1	<LOQ	ppm				
PIPERONYL BUTOXIDE	1	<LOQ	ppm				
CHLORPYRIFOS	0.1	<LOQ	ppm				
HEXYTHIAZOX	0.5	<LOQ	ppm				
ETOXAZOLE	0.1	<LOQ	ppm				
SPIROMESIFEN	0.1	<LOQ	ppm				
FENPYROXIMATE	0.2	<LOQ	ppm				
PYRIDABEN	0.1	<LOQ	ppm				
PERMETHRINS	0.1	<LOQ	ppm				



Pesticides

Analyzed by	Weight	Extraction date	Extracted By
12		NA	NA

Analytical Batch - CE000660PES
Instrument Used : LCMSMS 8050 EID:0081-0085

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Anthony Smith
Lab Director

State License #
010-10166277B9D
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Signature

12/29/21

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PESTICIDES BATCH QC REPORT



LCS

Pesticides	LOQ	Recovery	Recovery Limits	Pesticides	LOQ	Recovery	Recovery Limits
ABAMECTIN	0.25	88	50-150	SPIROMESIFEN	0.1	86.2	50-150
ACEPHATE	0.2	90.1	50-150	SPIROTETRAMAT	0.1	115.6	50-150
ACEQUINOCYL	1	81.2	50-150	SPIROXAMINE	0.2	108	50-150
ACETAMIPRID	0.1	102.1	50-150	TEBUCONAZOLE	0.2	115.5	50-150
ALDICARB	0.2	115.9	50-150	THIACLOPRID	0.1	101.2	50-150
AZOXYSTROBIN	0.1	99.4	50-150	THIAMETHOXAM	0.1	106.6	50-150
BIFENAZATE	0.1	108.5	50-150	TRIFLOXYSTROBIN	0.1	102.6	50-150
BIFENTHRIN	0.1	99.5	50-150				
BOSCALID	0.2	106.2	50-150				
CARBARYL	0.1	101.8	50-150				
CARBOFURAN	0.1	106.4	50-150				
CHLORANTRANILIPROLE	0.1	112.1	50-150				
CHLORPYRIFOS	0.1	86.6	50-150				
CLOFENTEZINE	0.1	82.3	50-150				
DAMINOZIDE	0.5	113.3	50-150				
DDVP (DICHLORVOS)	0.5	103	50-150				
DIAZINON	0.1	99.9	50-150				
DIMETHOATE	0.1	100	50-150				
ETHOPROPHOS	0.1	101.3	50-150				
ETOFENPROX	0.2	93.2	50-150				
ETOXAZOLE	0.1	97.5	50-150				
FENOXYCARB	0.1	108.1	50-150				
FENPYROXIMATE	0.2	113.6	50-150				
FIPRONIL	0.2	101.4	50-150				
FLONICAMID	0.5	66.7	50-150				
FLUDIOXONIL	0.2	100.9	50-150				
HEXYTHIAZOX	0.5	105.9	50-150				
IMAZALIL	0.1	108.4	50-150				
IMIDACLOPRID	0.2	109.3	50-150				
KRESOXIM-METHYL	0.2	102.3	50-150				
MALATHION	0.1	98.4	50-150				
METALAXYL	0.1	107.8	50-150				
METHIOCARB	0.1	93.9	50-150				
METHOMYL	0.2	85	50-150				
MYCLOBUTANIL	0.1	116.6	50-150				
NALED	0.25	104.4	50-150				
OXAMYL	0.5	90.5	50-150				
PACLOBUTRAZOL	0.2	115.7	50-150				
PERMETHRINS	0.1	112.7	50-150				
PHOSMET	0.1	103.7	50-150				
PIPERONYL BUTOXIDE	1	119.1	50-150				
PRALLETHRIN	0.1	99	50-150				
PROPICONAZOLE	0.2	105.3	50-150				
PROPOXUR	0.1	101.9	50-150				
PYRETHRINS	0.5	108.4	50-150				
PYRIDABEN	0.1	92.1	50-150				



Pesticides

Analyzed by 12	Weight 0.499	Extraction date 12/22/21 02:12:24	Extracted By 12
Analytical Batch - CE000660PES			
Instrument Used : LCMSMS 8050 EID:0081-0085			

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MYCOTOXINS BATCH QC REPORT

	METHOD BLANK
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Mycotoxin	LOQ	Result	Units
AFLATOXINS	5	<LOQ	ppb
AFLATOXIN B1	5	<LOQ	ppb
AFLATOXIN B2	5	<LOQ	ppb
AFLATOXIN G1	5	<LOQ	ppb
AFLATOXIN G2	5	<LOQ	ppb
OCHRATOXIN A+	50	<LOQ	ppb

Analytical Batch - CE000667MYC
Instrument Used :

	LCS
--	------------

Mycotoxin	LOQ	Recovery	Units	Recovery Limits
AFLATOXIN B1	5	65.7	ppb	50-150
AFLATOXIN B2	5	63.7	ppb	50-150
AFLATOXIN G1	5	76.7	ppb	50-150
AFLATOXIN G2	5	74.3	ppb	50-150
OCHRATOXIN A+	50	368.8	ppb	50-150

Analytical Batch - CE000667MYC
Instrument Used :

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Certificate of Analysis

Horn Creek Hemp

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

Sample : CE11220006-001
Harvest/Lot ID: N/A

Batch# : N/A
Sampled : 12/20/21
Ordered : 12/20/21

Sample Size Received : 8 gram
Total Weight/Volume : N/A
Completed : 12/29/21 Expires: 12/29/22
Sample Method : SOP-024

Page 7 of 7

COMMENTS

* Metal CE11220006-001HEA

1 - Metals sample testing was performed at Kaycha Labs Tennessee, ISO17025 (Knoxville, TN); Analytical batch ID: KN001736HEA, 12/27/21