



# 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

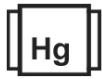
Jacksonville, OR, 97530, US

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
ACEQUINOXYL	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**

<b>Analyzed by</b> 12, 12	<b>Weight</b> 0.51g	<b>Extraction date</b> 12/22/21 02:12:23	<b>Extracted By</b> 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>			
<b>Reagent</b>		<b>Dilution</b> 10	<b>Consums. ID</b>
<small>Samples prepared and quantitatively analyzed by LC-MS/MS &amp; 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>			



# 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 3 of 7**

**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



# 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



# 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

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

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 OAR 333-007, OAR 845-025.



## MYCOTOXINS BATCH QC REPORT

	<b>METHOD BLANK</b>
--	---------------------

Mycotoxin	LOQ	Result	Units
<b>AFLATOXINS</b>	5	<LOQ	ppb
<b>AFLATOXIN B1</b>	5	<LOQ	ppb
<b>AFLATOXIN B2</b>	5	<LOQ	ppb
<b>AFLATOXIN G1</b>	5	<LOQ	ppb
<b>AFLATOXIN G2</b>	5	<LOQ	ppb
<b>OCHRATOXIN A+</b>	50	<LOQ	ppb

**Analytical Batch - CE000667MYC**  
**Instrument Used :**

	<b>LCS</b>
--	------------

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

**Analytical Batch - CE000667MYC**  
**Instrument Used :**

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 OAR 333-007, OAR 845-025.

**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**

**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