



Certificate of Analysis

Company: Horseshoe Farms, LLC Sample ID: OG Chem

Lot: N/A Report Date: 8/4/2023

Matrix: Flower Date Analyzed: 8/2/2023

Customer ID: 230517-0 Date Sampled: N/A Analyst: 011

Grower License #: SCLT0139 Date Received: 7/27/2023 Report ID: C230727AP

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDV	0.0012	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBDA	0.0008	0.74	0.07
CBGA	0.0008	0.81	0.08
CBG	0.0019	0.64	0.06
CBD	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THCV	0.0021	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
CBN	0.0013	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Δ9-ΤΗС	0.0020	8.04	0.80
Δ8-ΤΗС	0.0019	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
THC-A	0.0034	191.45	19.14
СВС	0.0024	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Total THC		175.94	17.59
Total CBD		0.65	0.07
Total Cannabir	noids	201.69	20.17

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:

Total THC = (THCA x 0.877) + Δ 9-THC Total CBD = (CBDA x 0.877) + CBD Ratio of Total CBD: Total THC Reagent Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. $\Delta 9$ -THC MU = $\pm 0.005\%$ Total THC MU = $\pm 0.007\%$

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the *Certified by:* samples as received.

17.59%

0.07%

Total CBD

20.17%

Total

Cannabinoids

0.8%

Δ9-THC

14.90%

Percent Moisture 1:0

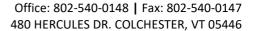
THC : CBD Ratio



Luke K.M.

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

(802) 540-0148 laboratory@biadiagnostics.com Certificate Registration Number: CL_50_2021_002





Customer ID: 230517-0

Certificate of Analysis

Company: Horseshoe Farms, LLC Sample ID: OG Chem

Lot: N/A Report Date: 8/8/2023
Matrix: Flower Date Analyzed: 8/7/2023

Date Sampled: N/A Analyst: 048

Grower License #: SCLT0139 Date Received: 7/27/2023 Report ID: C230727AP

Terpenes Summary

Terpene	LOQ (mg/g)	Results (mg/g)	Weight (%)
α- Pinene	0.010	0.568	0.057
Camphene	0.010	0.104	0.010
β-Myrcene	0.010	5.788	0.579
b-Pinene	0.010	1.124	0.112
3-Carene	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
α-Terpinene	0.010	0.015	0.002
Limonene	0.010	3.906	0.391
ρ-Cymene	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Ocimene	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Eucalyptol	0.010	0.121	0.012
Y-Terpinene	0.010	0.025	0.003
Terpinolene	0.010	0.059	0.006
Linalool	0.010	1.426	0.143
Isopulegol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Geraniol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Caryophyllene	0.010	1.329	0.133
α-Humulene	0.010	0.396	0.040
Trans-Nerolidol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Cis-Nerolidol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Guaiol	0.010	<loq< th=""><th><loq< th=""></loq<></th></loq<>	<loq< th=""></loq<>
Caryophyllene Oxide	0.010	0.014	0.001
α-Bisabolol	0.010	0.044	0.004
Total Terpenes		14.919	1.493

14.90%

LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (<LOQ).

Percent Moisture Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: < LOQs for all analytes

All results reflect dry weight of material, based on % moisture of the sample.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

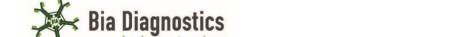
This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by:

Luke E.M

C230727AP

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



Customer ID: 230517-0

Office: 802-540-0148 | Fax: 802-540-0147 480 HERCULES DR. COLCHESTER, VT 05446

Certificate of Analysis

Company: Horseshoe Farms, LLC Sample ID: OG Chem

Lot: N/A Report Date: 8/4/2023
Matrix: Flower Date Analyzed: 8/3/2023

Date Sampled: N/A Analyst: 018

Grower License #: SCLT0139 Date Received: 7/27/2023 Report ID: C230727AP

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<lod< td=""></lod<>
STEC	STEC Virx AOAC PTM No. 121203	5	<lod< td=""></lod<>
Salmonella spp.	Salmonella II AOAC PTM No. 5 010803		<lod< td=""></lod<>



Test Methodology: Bio-Rad IQ-Check PCR Kits

cfu/g = colony forming units per gram

LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).

Reagent Blanks: <LOD for all analytes

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by:

Luke Emerson Mason (Laboratory Director, Bia Diagnostics)



Office: 802-540-0148 | Fax: 802-540-0147 480 HERCULES DR. COLCHESTER, VT 05446

Certificate of Analysis

Company: Horseshoe Farms, LLC Sample ID: OG Chem

Lot: N/A Report Date: 8/3/2023

Matrix: Flower Date Analyzed: 8/1/2023

Customer ID: 230517-0 Date Sampled: N/A Analyst: 045

Grower License #: SCLT0139 Date Received: 7/27/2023 Report ID: C230727AP

Pesticides/Mycotoxins Summary

Category II Residual	100 (nnm)	Concentration (ppm)	
Pesticide	LOQ (ppiii)	Concentration (ppin)	
Abamectin	0.0100	<loq< th=""></loq<>	
Acephate	0.0010	<loq< th=""></loq<>	
Acequinocyl	0.0010	<loq< th=""></loq<>	
Azoxystrobin	0.0010	<loq< th=""></loq<>	
Bifenazate	0.0010	<loq< th=""></loq<>	
Bifenthrin	0.0010	<loq< th=""></loq<>	
Carbaryl	0.0010	<loq< th=""></loq<>	
Cypermethrin	0.0100	<loq< th=""></loq<>	
Etoxazole	0.0010	<loq< th=""></loq<>	
Imidacloprid	0.0010	<loq< th=""></loq<>	
Myclobutanil	0.0010	<loq< th=""></loq<>	
Pyrethrin I	0.0010	<loq< th=""></loq<>	
Pyrethrin II	0.0010	<loq< th=""></loq<>	
Spinosyn A	0.0010	<loq< th=""></loq<>	
Spinosyn D	0.0010	<loq< th=""></loq<>	

Category II Mycotoxin	LOQ (ppm)	Concentration (ppm)
Ochratoxin A	0.0020	NOT TESTED
Aflatoxin B1	0.0002	NOT TESTED
Alfatoxin B2	0.0010	NOT TESTED
Alfatoxin G1	0.0002	NOT TESTED
Alfatoxin G2	0.0010	NOT TESTED

Category I Residual Pesticide	LOQ (ppm)	Concentration (ppm)
Chlorpyrifos	0.0010	<loq< th=""></loq<>
Imazalil	0.0010	<loq< th=""></loq<>



14.90%

Percent Moisture

LOQ = The lowest quantity this method can reliably detect. Any pesticide or mycotoxins that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

ppb = parts per billion

Pesticides/Mycotoxin Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

Certified by: Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context.

Results apply to the samples as received.