

Cobra Chi

Sample ID: BIA260116S0332
Strain: HL-14
Harvest Lot:
Matrix: Plant
Type: Flower - Cured
Sample Size: 9.03 g
Lot#:

Produced:
Collected:
Received: 01/16/2026
Completed: 01/23/2026
Batch#:

Client:
Green Castle
Lic. #
853 RT 15W
Johnson, VT 05656



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	01/20/2026	Complete
Moisture	01/16/2026	8.20% - Complete
Water Activity	01/16/2026	0.363 aw - Complete
Terpenes	01/19/2026	Complete
Microbials	01/22/2026	Complete

Cannabinoids

Completed

21.41%			0.07%			27.23%					
Total THC			Total CBD			Total Cannabinoids					
Analyte	LOQ	Results	Results	Mass	Analyte	LOQ	Results	Results	Mass		
	mg/g	%	mg/g	mg/serving		mg/g	%	mg/g	mg/serving		
CBDVa	0.0003	<LOQ	<LOQ		CBCVa	0.0003	<LOQ	<LOQ			
CBDV	0.0003	<LOQ	<LOQ		CBNa	0.0003	0.10	1.0			
CBDa	0.0005	0.08	0.8		Δ9-THC	0.0005	0.78	7.8			
CBGa	0.0005	1.86	18.6		Δ8-THC	0.0003	<LOQ	<LOQ			
CBG	0.0005	<LOQ	<LOQ		Δ10-THC*	0.0002	0.44	4.4			
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ			
THCV	0.0003	<LOQ	<LOQ		CBC	0.0003	<LOQ	<LOQ			
CBLV	0.0003	0.09	0.9		THCa	0.0005	23.53	235.3			
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.19	1.9			
THCVa	0.0003	0.16	1.6		CBLa	0.0005	<LOQ	<LOQ			
CBN	0.0005	<LOQ	<LOQ		Total THC		21.41	214.13			
					Total CBD		0.07	0.70			
					Total		27.23	272.26			0.00

Analyst: 052

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:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

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. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

*The result is the sum of delta-10 isomers.




Luke Emerson-Mason
 Laboratory Director
 01/23/2026

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	2.462	0.246
β-Myrcene	0.010	2.266	0.227
Ocimene	0.010	2.040	0.204
Linalool	0.010	1.293	0.129
β-Caryophyllene	0.010	1.101	0.110
β-Pinene	0.010	0.911	0.091
α-Pinene	0.010	0.650	0.065
α-Humulene	0.010	0.457	0.046
Camphene	0.010	0.190	0.019
Guaiol	0.010	0.112	0.011
Terpinolene	0.010	0.090	0.009
Eucalyptol	0.010	0.030	0.003
α-Bisabolol	0.010	0.026	0.003
Caryophyllene Oxide	0.010	0.017	0.002
γ-Terpinene	0.010	0.017	0.002
α-Terpinene	0.010	0.012	0.001
3-Carene	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		11.674	1.167

Primary Aromas



Analyst: 063

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).

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 and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




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Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

Analyst: 018

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




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