

CLTV0305-30-1

 Sample ID: BIA251008S0187
 Strain: Hibernator

 Produced:
 Collected:
 Received: 10/08/2025
 Completed: 10/16/2025
 Batch#:

 Client
Northeast Kingdom Hemp
 Lic. #
 Barton, VT 05822

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 4.76 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/10/2025	Complete
Moisture	10/08/2025	9.30% - Complete
Water Activity	10/08/2025	0.446 aw - Complete
Microbials	10/15/2025	Complete

Cannabinoids

Completed

26.35%			0.09%			31.62%			
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	<LOQ	<LOQ	
CBDa	0.0005	0.10	1.0		Δ9-THC	0.0005	0.16	1.6	
CBGa	0.0005	0.89	8.9		Δ8-THC	0.0003	<LOQ	<LOQ	
CBG	0.0005	0.21	2.1		Δ10-THC*	0.0002	<LOQ	<LOQ	
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ	
THCV	0.0003	<LOQ	<LOQ		CBC	0.0003	<LOQ	<LOQ	
CBLV	0.0003	<LOQ	<LOQ		THCa	0.0005	29.86	298.6	
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.20	2.0	
THCVa	0.0003	0.19	1.9		CBLa	0.0005	<LOQ	<LOQ	
CBN	0.0005	<LOQ	<LOQ		Total THC		26.35	263.47	
					Total CBD		0.09	0.90	
					Total		31.62	316.15	0.00

Analyst: 056

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
 10/16/2025

 Confident LIMS
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Pathogens

Completed

Pathogens	LOD CFU/g	Results 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




Luke Emerson-Mason
Laboratory Director
10/16/2025

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