

CLTV0305-30-12

Sample ID: BIA251107S0229
Strain: Panhead Punch
Harvest Lot: CLTV0305-30-12
Matrix: Plant
Type: Flower - Cured
Sample Size: 5.59 g
Lot#:

Produced:
Collected:
Received: 11/07/2025
Completed: 11/17/2025
Batch#:

Client:
Northeast Kingdom Hemp
Lic. #
 Barton, VT 05822



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	11/12/2025	Complete
Moisture	11/10/2025	9.30% - Complete
Water Activity	11/10/2025	0.491 aw - Complete
Terpenes	11/11/2025	Complete
Microbials	11/14/2025	Complete

Cannabinoids

Completed

25.79%			0.08%			31.38%			
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	0.09	0.9		Δ9-THC	0.0005	0.82	8.2	
CBGa	0.0005	1.06	10.6		Δ8-THC	0.0003	<LOQ	<LOQ	
CBG	0.0005	0.15	1.5		Δ10-THC*	0.0002	0.30	3.0	
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ	
THCV	0.0003	<LOQ	<LOQ		CBC	0.0003	<LOQ	<LOQ	
CBLV	0.0003	0.07	0.7		THCa	0.0005	28.47	284.7	
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.21	2.1	
THCVa	0.0003	0.21	2.1		CBLa	0.0005	<LOQ	<LOQ	
CBN	0.0005	<LOQ	<LOQ		Total THC		25.79	257.89	
					Total CBD		0.08	0.77	
					Total		31.38	313.81	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
 11/17/2025

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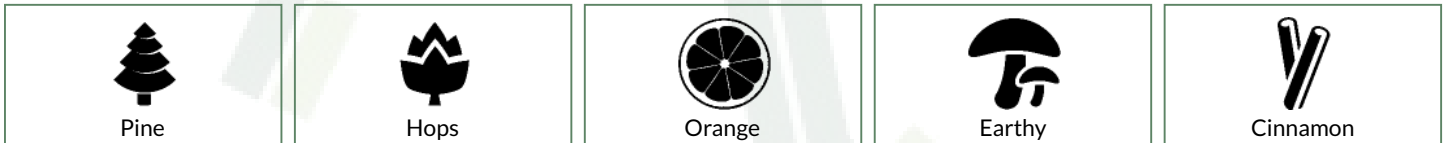
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Northeast Kingdom Hemp
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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
α-Pinene	0.010	2.939	0.294
β-Myrcene	0.010	2.735	0.273
β-Pinene	0.010	2.704	0.270
Limonene	0.010	2.655	0.265
Ocimene	0.010	2.504	0.250
β-Caryophyllene	0.010	2.220	0.222
α-Humulene	0.010	1.016	0.102
Linalool	0.010	0.532	0.053
Camphene	0.010	0.187	0.019
Terpinolene	0.010	0.108	0.011
γ-Terpinene	0.010	0.017	0.002
Eucalyptol	0.010	0.016	0.002
α-Bisabolol	0.010	0.013	0.001
α-Terpinene	0.010	0.013	0.001
3-Carene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Geraniol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
Isopulegol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		17.658	1.766

Primary Aromas



Analyst: 048

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

Analyst: 049

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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