

## CLTV0305-29-4

 Sample ID: BIA251008S0193  
 Strain: Culture Shock

 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: 4.58 g  
 Lot#:


### Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/10/2025	Complete
Moisture	10/08/2025	9.70% - Complete
Water Activity	10/08/2025	0.473 aw - Complete
Microbials	10/15/2025	Complete

### Cannabinoids

Completed

25.17% Total THC					0.10% Total CBD			30.19% 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	0.05	0.5			
CBDa	0.0005	0.12	1.2		Δ9-THC	0.0005	0.51	5.1			
CBGa	0.0005	0.66	6.6		Δ8-THC	0.0003	0.07	0.7			
CBG	0.0005	<LOQ	<LOQ		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	0.17	1.7		THCa	0.0005	28.11	281.1			
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.21	2.1			
THCVa	0.0003	0.30	3.0		CBLa	0.0005	<LOQ	<LOQ			
CBN	0.0005	<LOQ	<LOQ		<b>Total THC</b>		<b>25.17</b>	<b>251.69</b>			
					<b>Total CBD</b>		<b>0.10</b>	<b>1.02</b>			
					<b>Total</b>		<b>30.19</b>	<b>301.93</b>	<b>0.00</b>		

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: &lt; 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 (&lt;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

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[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
 (866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)


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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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[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
(866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)

