

Sour Grapes

Sample ID: BIA260320S0534
Strain: CLTV0305-34-2
Harvest Lot:
Matrix: Plant
Type: Flower - Cured
Sample Size: 5.64 g
Lot#:

Produced:
Collected:
Received: 03/23/2026
Completed: 03/27/2026
Batch#:

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



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	03/24/2026	Complete
Moisture	03/23/2026	10.10% - Complete
Water Activity	03/23/2026	0.499 aw - Complete
Microbials	03/26/2026	Complete

Cannabinoids

Completed

26.71%			ND			31.50%			
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	0.06	0.6	
CBDa	0.0005	<LOQ	<LOQ		Δ9-THC	0.0005	0.35	3.5	
CBGa	0.0005	0.37	3.7		Δ8-THC	0.0003	<LOQ	<LOQ	
CBG	0.0005	0.10	1.0		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	30.06	300.6	
CBCV	0.0003	<LOQ	<LOQ		CBCa	0.0006	0.31	3.1	
THCVa	0.0003	0.25	2.5		CBLa	0.0005	<LOQ	<LOQ	
CBN	0.0005	<LOQ	<LOQ		Total THC		26.71	267.14	
					Total CBD		ND	ND	ND
					Total		31.50	315.00	0.00

Analyst: 063

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
 03/27/2026

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coa.support@confidentlims.com
 (866) 506-5866
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: 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




Luke Emerson-Mason
Laboratory Director
03/27/2026

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