

Permanent Damage

Sample ID: BIA251217S0433

Strain: HL-14

Harvest Lot:

Matrix: Plant

Type: Flower - Cured

Sample Size: 5.75 g

Lot#:

Produced:

Collected:

Received: 12/17/2025

Completed: 12/24/2025

Batch#:

Client

Green Castle

Lic. #

853 RT 15W

Johnson, VT 05656



Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	12/19/2025	Complete
Moisture	12/18/2025	8.90% - Complete
Water Activity	12/18/2025	0.416 aw - Complete

Cannabinoids

Completed

22.56%					0.07%					27.61%				
Total THC					Total CBD					Total Cannabinoids				
Analyte	LOQ	Results	Results	Mass	Analyte	LOQ	Results	Results	Mass	Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving		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	0.08	0.8		Δ9-THC	0.0005	0.30	3.0						
CBGa	0.0005	1.16	11.6		Δ8-THC	0.0003	<LOQ	<LOQ						
CBG	0.0005	<LOQ	<LOQ		Δ10-THC*	0.0002	0.22	2.2						
CBD	0.0005	<LOQ	<LOQ		CBL	0.0005	<LOQ	<LOQ						
THCV	0.0003	<LOQ	<LOQ		CBC	0.0003	<LOQ	<LOQ						
CBLV	0.0003	0.11	1.1		THCa	0.0005	25.37	253.7						
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		22.56	225.56						
					Total CBD		0.07	0.74						
					Total		27.61	276.08	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
 12/24/2025

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