

## Sub Zero

Sample ID: BIA260116S0330  
 Strain: HL-14  
 Harvest Lot:  
 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 9.56 g  
 Lot#:

Produced:  
 Collected:  
 Received: 01/16/2026  
 Completed: 01/23/2026  
 Batch#:

Client  
**Green Castle**  
 Lic. #  
 853 RT 15W  
 Johnson, VT 05656



### Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	01/20/2026	Complete
Moisture	01/16/2026	8.00% - Complete
Water Activity	01/16/2026	0.350 aw - Complete
Terpenes	01/19/2026	Complete
Microbials	01/22/2026	Complete

### Cannabinoids

Completed

30.53% Total THC				0.11% Total CBD				38.03% Total Cannabinoids			
Analyte	LOQ	Results	Mass	Analyte	LOQ	Results	Mass	Analyte	LOQ	Results	Mass
	mg/g	%	mg/g		mg/g	%	mg/g		mg/g	%	mg/g
CBDVa	0.0003	<LOQ	<LOQ	CBCVa	0.0003	<LOQ	<LOQ				
CBDV	0.0003	<LOQ	<LOQ	CBNa	0.0003	0.09	0.9				
CBDa	0.0005	0.13	1.3	Δ9-THC	0.0005	0.59	5.9				
CBGa	0.0005	1.10	11.0	Δ8-THC	0.0003	<LOQ	<LOQ				
CBG	0.0005	<LOQ	<LOQ	Δ10-THC*	0.0002	0.29	2.9				
CBD	0.0005	<LOQ	<LOQ	CBL	0.0005	<LOQ	<LOQ				
THCV	0.0003	<LOQ	<LOQ	CBC	0.0003	<LOQ	<LOQ				
CBLV	0.0003	0.10	1.0	THCa	0.0005	34.13	341.3				
CBCV	0.0003	<LOQ	<LOQ	CBCa	0.0006	0.30	3.0				
THCVA	0.0003	1.30	13.0	CBLa	0.0005	<LOQ	<LOQ				
CBN	0.0005	<LOQ	<LOQ	Total THC		30.53	305.26				
				Total CBD		0.11	1.11				
				Total		38.03	380.29				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: &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.  $\Delta 9\text{-THC MU} = \pm 0.005\%$   $\text{Total THC MU} = \pm 0.007\%$ 

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  
 01/23/2026

 Confident LIMS  
 All Rights Reserved  
[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
 (866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)


## Sub Zero

Sample ID: BIA260116S0330  
 Strain: HL-14  
 Harvest Lot:  
 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 9.56 g  
 Lot#:

Produced:  
 Collected:  
 Received: 01/16/2026  
 Completed: 01/23/2026  
 Batch#:

Client  
**Green Castle**  
 Lic. #  
 853 RT 15W  
 Johnson, VT 05656

### Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	2.663	0.266
β-Myrcene	0.010	2.379	0.238
Ocimene	0.010	2.224	0.222
β-Caryophyllene	0.010	1.638	0.164
Linalool	0.010	1.384	0.138
β-Pinene	0.010	1.043	0.104
α-Humulene	0.010	0.755	0.076
α-Pinene	0.010	0.683	0.068
Camphehe	0.010	0.131	0.013
α-Bisabolol	0.010	0.022	0.002
γ-Terpinene	0.010	0.015	0.001
α-Terpinene	0.010	0.012	0.001
3-Carene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	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
Terpinolene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
<b>Total</b>		<b>12.949</b>	<b>1.295</b>

### Primary Aromas



Analyst: 063

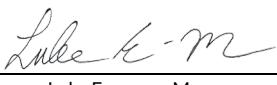
LOQ = The lowest quantity this method can reliably detect. Any terpene that was not detected is assumed to be less than the stated LOQ (<LOQ).

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.



  
 Luke Emerson-Mason  
 Laboratory Director  
 01/23/2026

Confident LIMS  
 All Rights Reserved  
[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
 (866) 505-5866  
[www.confidentlims.com](http://www.confidentlims.com)



## Sub Zero

Sample ID: BIA260116S0330  
 Strain: HL-14  
 Harvest Lot:  
 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 9.56 g  
 Lot#:

Produced:  
 Collected:  
 Received: 01/16/2026  
 Completed: 01/23/2026  
 Batch#:

Client  
**Green Castle**  
 Lic. #  
 853 RT 15W  
 Johnson, VT 05656

### Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	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 (&lt;LOD).

Reagent Blanks: &lt;LOD for all analytes



Luke Emerson-Mason  
 Laboratory Director  
 01/23/2026

Confident LIMS  
 All Rights Reserved  
[coa.support@confidentlims.com](mailto:coa.support@confidentlims.com)  
 (866) 506-5866  
[www.confidentlims.com](http://www.confidentlims.com)

