Bia Diagnostics Laboratories

Bia Diagnostics
480 Hercules Drive Suite 101
Colchester, VT 05446

(802) 540-0148
https://www.biadiagnostics.com/
Lic# TLAB0029

HL-SCLT0083-Northern Lights

Sample ID: BIA250107S0001
Strain: Northern Lights

Matrix: Plant
Type: Flower - Cured
Sample Size:
Lot#:

Produced:
Collected:
Received: 01/10/2025
Completed: 01/17/2025
Batch#:

Client
Hidden Leaf Homestead

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	01/13/2025	Complete
Moisture	01/13/2025	12.40% - Complete
Water Activity	01/13/2025	0.617 aw - Complete
Terpenes	01/16/2025	Complete

Cannabinoids

Completed

17.14% Total THC	0.06% Total CBD	20.28% Total Cannabinoids

Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	0.33	3.3	
CBDa	0.0008	0.07	0.7	
CBGa	0.0008	0.23	2.3	
CBG	0.0019	0.11	1.1	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	1.11	11.1	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	0.13	1.3	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	18.28	182.8	
Total THC		**17.14**	**171.44**	
Total CBD		**0.06**	**0.63**	
Total		**20.28**	**202.75**	**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:
TotalTHC=(THCAx0.877)+Δ9-THC
Total CBD = (CBDA x 0.877) + 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.

Luke Emerson-Mason
Laboratory Director
01/17/2025

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

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	4.845	0.484
α-Pinene	0.010	2.954	0.295
Ocimene	0.010	2.788	0.279
β-Pinene	0.010	2.275	0.228
β-Caryophyllene	0.010	1.565	0.156
β-Myrcene	0.010	1.187	0.119
α-Humulene	0.010	0.596	0.060
Linalool	0.010	0.427	0.043
Camphene	0.010	0.226	0.023
Terpinolene	0.010	0.051	0.005
Caryophyllene Oxide	0.010	0.017	0.002
γ-Terpinene	0.010	0.013	0.001
3-Carene	0.010	<LOQ	<LOQ
α-Bisabolol	0.010	<LOQ	<LOQ
α-Terpinene	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
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		**16.944**	**1.694**

Primary Aromas

Orange | Pine | Earthy | Cinnamon | Hops

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.
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