

## Ghost Train Haze

 Sample ID: BIA240903S0014  
 Strain: SCLT0155-13

 Matrix: Plant  
 Type: Flower - Cured  
 Sample Size: 7.92 g  
 Lot#:

 Produced:  
 Collected:  
 Received: 09/03/2024  
 Completed: 09/12/2024  
 Batch#:

 Client  
**Smugglers Notch Cannabis**  
 Lic. # SCLT0155  
 662 Irish Settlement Rd  
 Underhill, VT 05489


### Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	09/05/2024	Complete
Moisture	09/03/2024	10.50% - Complete
Water Activity	09/03/2024	0.538 aw - Complete
Terpenes	09/05/2024	Complete
Microbials	09/12/2024	Complete

### Cannabinoids

Completed

19.66%		0.05%		24.03%	
Total THC		Total CBD		Total Cannabinoids	
Analyte	LOQ	Results	Results	Mass	
	mg/g	%	mg/g	mg/serving	
CBDVa	0.0005	<LOQ	<LOQ		
CBDV	0.0012	<LOQ	<LOQ		
CBDa	0.0008	0.05	0.5		
CBGa	0.0008	1.39	13.9		
CBG	0.0019	0.21	2.1		
CBD	0.0019	<LOQ	<LOQ		
THCV	0.0021	<LOQ	<LOQ		
CBN	0.0013	<LOQ	<LOQ		
Δ9-THC	0.0020	0.32	3.2		
Δ8-THC	0.0019	<LOQ	<LOQ		
Δ10-THC	0.0002	<LOQ	<LOQ		
CBC	0.0024	<LOQ	<LOQ		
THCa	0.0034	22.06	220.6		
<b>Total THC</b>		<b>19.66</b>	<b>196.62</b>		
<b>Total CBD</b>		<b>0.05</b>	<b>0.46</b>		
<b>Total</b>		<b>24.03</b>	<b>240.29</b>	<b>0.00</b>	

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. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.




 Luke Emerson-Mason  
 Laboratory Director  
 09/12/2024

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## Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Terpinolene	0.010	9.472	0.947
$\beta$ -Myrcene	0.010	5.681	0.568
Ocimene	0.010	4.205	0.420
Limonene	0.010	3.197	0.320
$\beta$ -Pinene	0.010	2.764	0.276
$\beta$ -Caryophyllene	0.010	1.653	0.165
3-Carene	0.010	1.633	0.163
Linalool	0.010	1.558	0.156
$\alpha$ -Pinene	0.010	1.519	0.152
$\alpha$ -Humulene	0.010	0.602	0.060
$\alpha$ -Terpinene	0.010	0.560	0.056
$\gamma$ -Terpinene	0.010	0.423	0.042
Geraniol	0.010	0.218	0.022
Eucalyptol	0.010	0.089	0.009
Camphene	0.010	0.088	0.009
$\alpha$ -Bisabolol	0.010	0.040	0.004
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	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
<b>Total</b>		<b>33.702</b>	<b>3.370</b>

## Primary Aromas

				
Turpentine	Hops	Earthy	Orange	Pine

Analyst: 056

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

Terpene Methodology: Headspace Sampler, Gas Chromatography-Mass Spectrometry (GC-MS), using Perkin Elmer Clarus® SQ8 GC MS

Reagent Blanks: &lt; LOQs for all analytes

All results reflect dry weight of material, based on % moisture of the sample.

All moisture analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.




 Luke Emerson-Mason  
 Laboratory Director  
 09/12/2024

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Underhill, VT 05489

## 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 (&lt;LOD).

Reagent Blanks: &lt;LOD for all analytes

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