

Smugglers Notch Sour

 Sample ID: BIA250402S0002
 Strain: SCLT0155-18-001

 Produced:
 Collected:
 Received: 04/02/2025
 Completed: 04/10/2025
 Batch#: SCLT0155-18-001

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

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 6.42 g
 Lot#: LOT 18


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	04/07/2025	Complete
Moisture	04/03/2025	8.00% - Complete
Water Activity	04/03/2025	0.347 aw - Complete
Terpenes	04/07/2025	Complete
Microbials	04/03/2025	Complete
Pesticides	04/08/2025	Complete

Cannabinoids

Completed

30.86%		0.08%		36.58%	
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	0.09	0.9		
CBGa	0.0008	1.10	11.0		
CBG	0.0019	0.16	1.6		
CBD	0.0019	<LOQ	<LOQ		
THCV	0.0021	<LOQ	<LOQ		
CBN	0.0013	<LOQ	<LOQ		
Δ9-THC	0.0020	0.41	4.1		
Δ8-THC	0.0019	<LOQ	<LOQ		
Δ10-THC	0.0002	0.10	1.0		
CBC	0.0024	<LOQ	<LOQ		
THCa	0.0034	34.72	347.2		
Total THC		30.86	308.62		
Total CBD		0.08	0.79		
Total		36.58	365.82	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.




 Luke Emerson-Mason
 Laboratory Director
 04/10/2025

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Terpenes

Completed

Analyte	LOQ	Results	Results
	mg/g	mg/g	%
Limonene	0.010	6.056	0.606
Ocimene	0.010	4.259	0.426
β -Myrcene	0.010	3.653	0.365
Linalool	0.010	3.191	0.319
β -Caryophyllene	0.010	2.707	0.271
β -Pinene	0.010	1.799	0.180
α -Humulene	0.010	1.017	0.102
α -Pinene	0.010	0.943	0.094
Isopulegol	0.010	0.170	0.017
Camphene	0.010	0.156	0.016
Terpinolene	0.010	0.149	0.015
Geraniol	0.010	0.044	0.004
α -Bisabolol	0.010	0.014	0.001
γ -Terpinene	0.010	0.013	0.001
3-Carene	0.010	<LOQ	<LOQ
α -Terpinene	0.010	<LOQ	<LOQ
Caryophyllene Oxide	0.010	<LOQ	<LOQ
cis-Nerolidol	0.010	<LOQ	<LOQ
Eucalyptol	0.010	<LOQ	<LOQ
Guaiol	0.010	<LOQ	<LOQ
p-Cymene	0.010	<LOQ	<LOQ
trans-Nerolidol	0.010	<LOQ	<LOQ
Total		24.171	2.417

Primary Aromas

 Orange	 Earthy	 Hops	 Lavender	 Cinnamon
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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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Pesticides

Completed

Category 1 Pesticides	LOD	LOQ	Results
	PPM	PPM	PPM
Chlorpyrifos	0.0003	0.0010	ND
Imazalil	0.0003	0.0010	ND
Category 2 Pesticides	LOD	LOQ	Results
	PPM	PPM	PPM
Abamectin	0.0003	0.0010	ND
Acephate	0.001	0.0050	ND
Acequinocyl	0.0003	0.0010	ND
Azoxystrobin	0.00005	0.0010	ND
Bifenazate	0.0001	0.0010	ND
Bifenthrin	0.0001	0.0010	ND
Carbaryl	0.0001	0.0010	ND
Cypermethrin	0.001	0.0050	ND
Etoazole	0.0001	0.0010	ND
Imidacloprid	0.00005	0.0010	ND
Myclobutanil	0.0001	0.0010	ND
Pyrethrins	0.001	0.0050	ND
Spinosyn A	0.0001	0.0010	ND
Spinosyn D	0.0003	0.0010	ND

Analyst: 056

Pesticides Methodology: Liquid Chromatography with Tandem Mass Spectrometry using PerkinElme QSight® LX50 UHPLC and QSight 220 Mass Spectrometer

LOQ = The lowest quantity this method can reliably quantify. Any pesticides or mycotoxins that were not quantifiable are less than the stated LOQ (<LOQ).

ppm = parts per million

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ND = Not Detected (<LOD)




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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 (<LOD).

Reagent Blanks: <LOD for all analytes




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