

## Certificate of Analysis

**Company:** Smugglers Notch Cannabis Co

662 Irish Settlement Rd

Jericho, VT 05489

**Customer ID:** 230117-2

**Grower License #:** SCLT0155

**Sample ID:** Smugglers Notch Sour

**Lot:** SCLT0155--8

**Matrix:** Flower

**Date Sampled:** 1/2/2024

**Date Received:** 1/2/2024

**Report Date:** 1/11/2024

**Date Analyzed:** 1/4/2024

**Analyst:** 045

**Report ID:** C240102AA

### Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.01	0.10
CBGA	0.0008	8.93	0.89
CBG	0.0019	1.97	0.20
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
$\Delta 9$ -THC	0.0020	4.63	0.46
$\Delta 8$ -THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	299.92	29.99
CBC	0.0024	<LOQ	<LOQ
<b>Total THC</b>		267.66	26.77
<b>Total CBD</b>		0.89	0.09
<b>Total Cannabinoids</b>		316.46	31.65

26.77%

Total THC

0.09%

Total CBD

31.65%

Total  
Cannabinoids

0.46%

$\Delta 9$ -THC

9.39%

Percent  
Moisture

1 : 0

THC : CBD  
Ratio



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:

Total THC = (THCA  $\times$  0.877) +  $\Delta 9$ -THC

Total CBD = (CBDA  $\times$  0.877) + CBD

Ratio of Total CBD: Total THC

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.

$\Delta 9$ -THC MU =  $\pm 0.005\%$

Total THC MU =  $\pm 0.007\%$

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.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by:   
Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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**Customer ID:** 230117-2  
**Grower License #:** SCLT0155

**Date Sampled:** 1/2/2024  
**Date Received:** 1/2/2024

**Analyst:** 052  
**Report ID:** C240102AA

## Water Activity Summary

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.3716



Test Methodology: Aqualab TDL 2 water activity meter with tunable diode laser

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Luke Emerson Mason (Laboratory Director, Bia Diagnostics)