



Certificate ID: **110644**

Received: **11/1/22**

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**Sunset Lake Enterprises**

Client Sample ID: **Sour Suver Haze**

**25 Brewer Parkway**

Lot Number: **50\_2022\_00000526\_SSH**

**South Burlington, VT 05403-7326**

Matrix: **Flowers/Bud-Dry Flower**



Authorization: Andrew Aubin, Lab Director	Signature: 	Date: 11/7/2022
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The data contained within this report was collected in accordance with the requirements of ISO/IEC17025:2017. I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the test article listed in this report. Reports may not be reproduced except in their entirety.

**CN: Cannabinoid Profile & Potency [WI-10-17 & WI-10-17-01]**

Analyst: *SD*

Test Date: *11/2/2022*

The client sample was analyzed for plant-based cannabinoids by Liquid Chromatography (LC). The collected data was compared to data collected for certified reference standards at known concentrations.

**110644-CN**

ID	Weight %	Concentration (mg/g)			
<b>Δ9-THC</b>	<b>0.0668</b>	<b>0.668</b>			
THCV	ND	ND			
CBD	0.414	4.14			
CBDV	ND	ND			
CBG	0.0664	0.664			
CBC	0.0482	0.482			
CBN	ND	ND			
THCA	0.647	6.47			
CBDA	19.4	194			
CBGA	0.608	6.08			
CBDVA	0.0722	0.722			
<b>Δ8-THC</b>	<b>ND</b>	<b>ND</b>			
<b>exo-THC</b>	<b>ND</b>	<b>ND</b>			
Total	21.3	213	0%	Cannabinoids (wt%)	19.4%
Max THC	0.634	6.34		Limit of Quantitation (LOQ) = 0.0067 wt%	
Max CBD	17.4	174		Limit of Detection (LOD) = 0.0022 wt%	

**Ratio of Total CBD to THC 27.5:1**

Max THC (and Max CBD) are calculated values for total cannabinoids after heating, assuming complete decarboxylation of the acid to the neutral form. It is calculated based on the weight loss of the acid group during decarboxylation:  $MAX\ THC = (0.877 \times THCA) + THC$ . This calculation does not include other cannabinoid isomers (eg. D8-THC and exo-THC). ND=None detected above the limits of detection (LOD), which is one third of Limit of Quantification (LOQ). For values reported as "<LOQ", the estimated value is included in the calculated Total.

**TP: Terpenes Profile [WI-10-37]**

Analyst: CS

Test Date: 11/2/2022

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and gas chromatographic (GC) compound separation or solvent extraction followed by gas chromatographic (GC) compound separation. A combination of flame ionization detection (FID) and/or mass spectrometric (MS) detection with mass spectral confirmation against the National Institute of Standards and Technology (NIST) Mass Spectral Database, Revision 2017 were used. Chromatographic and/or mass spectral data were processed by quantitatively comparing the analytical peak areas against calibration curves prepared from certified reference standards.

**110644-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0604	604	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	0.0163	163	
beta-pinene	127-91-3	0.104	1,040	
beta-myrcene	123-35-3	0.273	2,730	
alpha-phellandrene	99-83-2	0.0556	556	
delta-3-carene	13466-78-9	0.0380	380	
alpha-terpinene	99-86-5	0.0390	390	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.198	1,980	
eucalyptol	470-82-6	0.0107	108	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	ND	ND	
gamma-terpinene	99-85-4	0.0251	251	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	0.825	8,250	
linalool	78-70-6	0.0244	244	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.444	4,440	
alpha-humulene	6753-98-6	0.254	2,540	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0148	148	
caryophyllene oxide	1139-30-6	0.0227	227	
guaïol	489-86-1	0.148	1,480	
alpha-bisabolol	23089-26-1	0.0705	705	

Total Terpene: 2.6 wt%

\* Certified reference standard not available for this compound. Concentration is estimated using the response factor from alpha-pinene. ND = None Detected. RL = Reporting Limit of 5 ppm.

**END OF REPORT**