



Certificate ID: **110643**

Received: **11/1/22**

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Sunset Lake Enterprises

Client Sample ID: **Sour Lifter**

25 Brewer Parkway

Lot Number: **50_2022_00000526_SL**

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.

110643-CN

ID	Weight %	Concentration (mg/g)			
Δ9-THC	0.0209	0.209			
THCV	ND	ND			
CBD	0.148	1.48			
CBDV	ND	ND			
CBG	0.0714	0.714			
CBC	0.0275	0.275			
CBN	ND	ND			
THCA	0.620	6.20			
CBDA	18.7	187			
CBGA	0.620	6.20			
CBDVA	0.114	1.14			
Δ8-THC	ND	ND			
exo-THC	ND	ND			
Total	20.3	203	0%	Cannabinoids (wt%)	18.7%
Max THC	0.565	5.65		Limit of Quantitation (LOQ) = 0.0066 wt%	
Max CBD	16.5	165		Limit of Detection (LOD) = 0.0022 wt%	

Ratio of Total CBD to THC 29.3:1

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.

110643-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0397	397	
camphene	79-92-5	ND	ND	
sabinene	3387-41-5	0.0159	159	
beta-pinene	127-91-3	0.0736	736	
beta-myrcene	123-35-3	0.386	3,860	
alpha-phellandrene	99-83-2	0.0403	403	
delta-3-carene	13466-78-9	0.0293	293	
alpha-terpinene	99-86-5	0.0291	291	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.102	1,020	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.0212	212	
gamma-terpinene	99-85-4	0.0187	188	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	0.649	6,490	
linalool	78-70-6	0.0196	196	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.511	5,110	
alpha-humulene	6753-98-6	0.354	3,540	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0237	237	
caryophyllene oxide	1139-30-6	0.0384	384	
guaiol	489-86-1	0.0644	644	
alpha-bisabolol	23089-26-1	0.115	1,150	

Total Terpene: 2.5 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