




Certificate ID: **110641**
 Received: **11/1/22**
 Client Sample ID: **Cherry Abacus**
 Lot Number: **50_2022_00000526_CA**
 Matrix: **Flowers/Bud-Dry Flower**

Scan QR Code for authenticity



Sunset Lake Enterprises
25 Brewer Parkway
South Burlington, VT 05403-7326

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.

110641-CN

ID	Weight %	Concentration (mg/g)		
Δ^9 -THC	0.0259	0.259		
THCV	ND	ND		
CBD	0.191	1.91		
CBDV	ND	ND		
CBG	0.0771	0.771		
CBC	0.0281	0.281		
CBN	ND	ND		
THCA	0.600	6.00		
CBDA	17.8	178		
CBGA	0.697	6.97		
CBDVA	0.0380	0.380		
Δ^8 -THC	ND	ND		
exo-THC	ND	ND		
Total	19.5	195	0%	Cannabinoids (wt%) 17.8%
Max THC	0.552	5.52		Limit of Quantitation (LOQ) = 0.0066 wt%
Max CBD	15.8	158		Limit of Detection (LOD) = 0.0022 wt%

Ratio of Total CBD to THC 28.6:1

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.

110641-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.441	4,410	
camphene	79-92-5	0.0073	73.1	
sabinene	3387-41-5	ND	ND	
beta-pinene	127-91-3	0.133	1,330	
beta-myrcene	123-35-3	1.42	14,200	
alpha-phellandrene	99-83-2	ND	ND	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	ND	ND	
p-cymene	99-87-6	ND	ND	
D-limonene	5989-27-5	0.132	1,320	
eucalyptol	470-82-6	ND	ND	
alpha-ocimene	502-99-8	ND	ND	
beta-ocimene	13877-91-3	0.0179	179	
gamma-terpinene	99-85-4	ND	ND	
L-fenchone	7787-20-4	ND	ND	
terpinolene	586-62-9	ND	ND	
linalool	78-70-6	0.0229	229	
isopulegol	89-79-2	ND	ND	
menthol	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.506	5,060	
alpha-humulene	6753-98-6	0.232	2,320	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	0.0185	185	
caryophyllene oxide	1139-30-6	0.0463	463	
guaiol	489-86-1	0.0792	792	
alpha-bisabolol	23089-26-1	0.241	2,410	

Total Terpene: 3.3 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