



Certificate ID: **89849**  
 Client Sample ID: **CherryWine**  
 Lot Number: **1**  
 Matrix: **Flowers/Bud - Dry Flower**

Received: **11/13/20**

Scan QR Code for authenticity



**Whippoorwill Herb Co.**  
**794 Mary Jane Bigelow Road**  
**Yanceyville, NC 27379**  
**Attn: Anderson Blanton**

Authorization: Chris Hudalla, Chief Science Officer	Signature: 	Date: 12/13/2020
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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: *JFD*

Test Date: *11/22/2020*

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.

**89849-CN**

ID	Weight %	Concentration (mg/g)			
D9-THC	0.0994	0.994			
THCV	ND	ND			
CBD	0.969	9.69			
CBDV	ND	ND			
CBG	ND	ND			
CBC	0.111	1.11			
CBN	ND	ND			
THCA	0.596	5.96			
CBDA	20.4	204			
CBGA	0.463	4.63			
D8-THC	ND	ND			
exo-THC	ND	ND			
<b>Total</b>	<b>22.7</b>	<b>227</b>	<b>0%</b>	<b>Cannabinoids (wt%)</b>	<b>20.4%</b>
<b>Max THC</b>	<b>0.622</b>	<b>6.22</b>		<b>Limit of Quantitation (LOQ) = 0.0066 wt%</b>	
<b>Max CBD</b>	<b>18.9</b>	<b>189</b>		<b>Limit of Detection (LOD) = 0.0022 wt%</b>	

**Ratio of Total CBD to THC 30.3:1**

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 x 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 LOQ.

**TP: Terpenes Profile [WI-10-27]**

Analyst: AEG

Test Date: 12/4/2020

Client sample analysis was performed using full evaporative technique (FET) headspace sample delivery and 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.

**89849-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0105	105	
camphene	79-92-5	0.0020	19.7	
sabinene*	3387-41-5	ND	ND	
beta-myrcene	123-35-3	0.320	3,200	
beta-pinene	127-91-3	0.0161	161	
alpha-phellandrene	99-83-2	<RL	<RL	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	<RL	<RL	
alpha-ocimene	502-99-8	0.0022	22.4	
D-limonene	138-86-3	0.0617	617	
p-cymene	99-87-6	ND	ND	
cis-beta-ocimene	3338-55-4	0.0387	387	
eucalyptol	470-82-6	0.0020	20.4	
gamma-terpinene	99-85-4	0.0007	6.95	
terpinolene	586-62-9	0.0008	7.73	
linalool	78-70-6	ND	ND	
L-fenchone*	7787-20-4	0.0027	27.0	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.300	3,000	
alpha-humulene	6753-98-6	0.124	1,240	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
guaiol	489-86-1	ND	ND	
caryophyllene oxide	1139-30-6	0.0076	76.4	
alpha-bisabolol	23089-26-1	0.0153	153	

Total Terpene: 0.9 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**