



Certificate ID: **103826**

Received: **3/29/22**

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**CANNAFLOWER**

Client Sample ID: **Pink Lady**

**40 University Way, Unit 40**

Lot Number: **2204**

**Brattleboro, VT 05301**

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



Authorization: <b>Andrew Aubin, Lab Director</b>	Signature: 	Date: <b>4/4/2022</b>
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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: AC*

*Test Date: 3/30/2022*

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.

**103826-CN**

ID	Weight %	Concentration (mg/g)			
<b>Δ9-THC</b>	<b>0.0952</b>	<b>0.952</b>			
THCV	ND	ND			
CBD	0.834	8.34			
CBDV	ND	ND			
CBG	0.0646	0.646			
CBC	0.0573	0.573			
CBN	ND	ND			
THCA	0.544	5.44			
CBDA	15.3	153			
CBGA	0.361	3.61			
CBDVA	0.0654	0.654			
<b>Δ8-THC</b>	<b>ND</b>	<b>ND</b>			
<b>exo-THC</b>	<b>ND</b>	<b>ND</b>			
<b>Total</b>	<b>17.3</b>	<b>173</b>	0%	<b>Cannabinoids (wt%)</b>	<b>15.3%</b>
Max THC	0.572	5.72		Limit of Quantitation (LOQ) = 0.0067 wt%	
Max CBD	14.3	143		Limit of Detection (LOD) = 0.0022 wt%	

**Ratio of Total CBD to THC 24.9:1**

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-10-27]**

Analyst: CJS

Test Date: 3/29/2022

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.

**103826-TP**

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0371	371	[Red bar]
camphene	79-92-5	0.0037	36.6	[Red bar]
sabinene*	3387-41-5	0.0021	20.7	[Red bar]
beta-myrcene	123-35-3	0.229	2,290	[Orange bar]
beta-pinene	127-91-3	0.0338	338	[Orange bar]
alpha-phellandrene	99-83-2	0.0263	263	[Yellow bar]
delta-3-carene	13466-78-9	0.0089	88.5	[Yellow bar]
alpha-terpinene	99-86-5	0.0163	163	[Yellow bar]
alpha-ocimene	502-99-8	0.0010	9.56	[Yellow bar]
D-limonene	138-86-3	0.116	1,160	[Green bar]
p-cymene	99-87-6	0.0019	18.7	[Green bar]
cis-beta-ocimene	3338-55-4	0.0932	932	[Green bar]
eucalyptol	470-82-6	0.0036	35.6	[Green bar]
gamma-terpinene	99-85-4	0.0118	118	[Green bar]
terpinolene	586-62-9	0.356	3,560	[Cyan bar]
linalool	78-70-6	0.0271	271	[Cyan bar]
L-fenchone*	7787-20-4	0.0042	42.3	[Cyan bar]
isopulegol	89-79-2	ND	ND	[Blue bar]
menthol*	89-78-1	ND	ND	[Blue bar]
geraniol	106-24-1	ND	ND	[Blue bar]
beta-caryophyllene	87-44-5	0.0291	291	[Blue bar]
alpha-humulene	6753-98-6	0.0094	93.9	[Blue bar]
cis-nerolidol	3790-78-1	ND	ND	[Purple bar]
trans-nerolidol	40716-66-3	0.0014	13.7	[Purple bar]
guaiol	489-86-1	0.0052	52.1	[Purple bar]
caryophyllene oxide	1139-30-6	0.0006	5.50	[Purple bar]
alpha-bisabolol	23089-26-1	0.0043	43.4	[Purple bar]

wt% 0.00 0.25 0.50

Total Terpene: 1.0 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**