



Certificate ID: **87912**
 Client Sample ID: **Rainbow Sherbet**
 Lot Number: **102020**
 Matrix: **Flowers/Bud - Dry Flower**

Received: **10/13/20**

Scan QR Code
for authenticity



CANNAFLOWER
40 University Way, Unit 40
Brattleboro, VT 05301

Authorization: Chris Hudalla, Chief Science Officer	Signature: <i>Christopher Hudalla</i>	Date: 10/28/2020
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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: *10/19/2020*

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.

87912-CN

ID	Weight %	Concentration (mg/g)			
D9-THC	0.0673	0.673			
THCV	ND	ND			
CBD	0.533	5.33	█		
CBDV	ND	ND			
CBG	0.0165	0.165			
CBC	0.0418	0.418			
CBN	ND	ND			
THCA	0.480	4.80	█		
CBDA	15.6	156	█		
CBGA	0.416	4.16	█		
D8-THC	ND	ND			
exo-THC	ND	ND			
Total	17.1	171	0%	Cannabinoids (wt%)	15.6%
Max THC	0.488	4.88			
Max CBD	14.2	142			

Ratio of Total CBD to THC 29.1:1

Limit of Quantitation (LOQ) = 0.0067 wt%

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 LOQ.

TP: Terpenes Profile [WI-10-27]

Analyst: AEG

Test Date: 10/17/2020

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.

87912-TP

Compound	CAS	Conc. (wt%)	Conc. (ppm)	Qualitative Profile
alpha-pinene	80-56-8	0.0065	65.1	
camphene	79-92-5	0.0013	12.7	
sabinene*	3387-41-5	ND	ND	
beta-myrcene	123-35-3	0.131	1,310	
beta-pinene	127-91-3	0.0085	85.4	
alpha-phellandrene	99-83-2	ND	ND	
delta-3-carene	13466-78-9	ND	ND	
alpha-terpinene	99-86-5	<RL	<RL	
alpha-ocimene	502-99-8	0.0011	11.4	
D-limonene	138-86-3	0.0570	570	
p-cymene	99-87-6	ND	ND	
cis-beta-ocimene	3338-55-4	0.0229	229	
eucalyptol	470-82-6	<RL	<RL	
gamma-terpinene	99-85-4	<RL	<RL	
terpinolene	586-62-9	0.0009	8.87	
linalool	78-70-6	0.0205	205	
L-fenchone*	7787-20-4	0.0029	29.0	
isopulegol	89-79-2	ND	ND	
menthol*	89-78-1	ND	ND	
geraniol	106-24-1	ND	ND	
beta-caryophyllene	87-44-5	0.325	3,250	
alpha-humulene	6753-98-6	0.0917	917	
cis-nerolidol	3790-78-1	ND	ND	
trans-nerolidol	40716-66-3	ND	ND	
guaial	489-86-1	ND	ND	
caryophyllene oxide	1139-30-6	0.0039	38.9	
alpha-bisabolol	23089-26-1	0.0349	349	

Total Terpene: 0.7 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