

Lemonade

 Sample ID: BIA250402S0010
 Strain: BATCH 22

 Matrix: Ingestible
 Type: Beverage
 Sample Size: 1 units
 Lot#:

 Produced:
 Collected:
 Received: 04/02/2025
 Completed: 04/08/2025
 Batch#: ML-MANU0032-B-0022

 Client
Freedom Flower LLC
 Lic. # manu0032
 189 Rt 15 W
 Morrisville, VT 05661


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	04/07/2025	Complete

Cannabinoids

16oz Serving; Density - 1.0435g/mL

Completed

5.38 mg/serving
 Total THC

ND
 Total CBD

5.38 mg/serving
 Total Cannabinoids

Analyte	LOQ	Results	Results	Mass	Mass
	%	%	mg/g	mg/serving	mg/container
CBDVa	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
CBDV	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
CBDa	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
CBGa	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
CBG	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
CBD	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
THCV	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
CBN	0.0001	<LOQ	<LOQ	<LOQ	<LOQ
Δ9-THC	0.0002	0.00	0.0	5.38	5.38
Δ8-THC	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
Δ10-THC	0.0000	NT	NT	NT	NT
CBC	0.0002	<LOQ	<LOQ	<LOQ	<LOQ
THCa	0.0003	<LOQ	<LOQ	<LOQ	<LOQ
Total THC		0.00	0.01	5.38	5.38
Total CBD		ND	ND	ND	ND
Total		0.00	0.01	5.38	5.38

Analyst: 056

Cannabinoids Methodology: High Performance Liquid Chromatography (HPLC) using PerkinElmer FLEXAR™ with Photo Diode Array Detector (PDA)

Total CBD and total THC are calculated values, to account for assumed decarboxylation from the acid form (THCA or CBDA) to the neutral form, causing weight loss of the acid group. These values are calculated as follows:

$$\text{Total THC} = (\text{THCA} \times 0.877) + \Delta 9\text{-THC}$$

$$\text{Total CBD} = (\text{CBDA} \times 0.877) + \text{CBD Reagent}$$

Blanks: < LOQs for all analytes

LOQ = The lowest quantity that this method can reliably detect. Any cannabinoid that was not detected is assumed to be less than the stated LOQ (<LOQ).

All results reflect dry weight of material, based on % moisture of the sample.

Measurement of Uncertainty (MU): the parameter, associated with the result of a measurement, that characterizes the dispersion of the values that could reasonably be attributed to the particular quantity subject to measurement. Δ9-THC MU = ±0.005% Total THC MU = ±0.007%

All other cannabinoid MU values are available upon request.

All moisture and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.




 Luke Emerson-Mason
 Laboratory Director
 04/08/2025

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