

Mac 1

 Sample ID: BIA240710S0010
 Strain: Mac 1

 Produced:
 Collected:
 Received: 07/10/2024
 Completed: 07/15/2024
 Batch#:

 Client
Mr Tree
 Lic. # SCLT 00225
 57 Commerce AVE
 South Burlington, VT 05403

 Matrix: Plant
 Type: Flower - Cured
 Sample Size: 1.55 g
 Lot#:


Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	07/12/2024	Complete
Moisture	07/10/2024	13.00% - Complete
Water Activity	07/10/2024	0.639 aw - Complete

Cannabinoids

Completed

21.70% Total THC	0.07% Total CBD	25.60% Total Cannabinoids
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Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.08	0.8	
CBGa	0.0008	0.78	7.8	
CBG	0.0019	0.06	0.6	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.77	7.7	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	0.06	0.6	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	23.87	238.7	
Total THC		21.70	217.03	
Total CBD		0.07	0.67	
Total		25.60	256.03	0.00

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:

 $Total\ THC = (THCA \times 0.877) + \Delta 9-THC$
 $Total\ CBD = (CBDA \times 0.877) + CBD\ Reagent$

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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.




 Luke Emerson-Mason
 Laboratory Director
 07/15/2024

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