Bia Diagnostics Laboratories

Bia Diagnostics
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Lic# TLAB0029

7.07

Sample ID: BIA241003S0006
Strain: Machine Elves

Matrix: Plant
Type: Flower - Cured
Sample Size: 5.84 g
Lot#:

Produced:
Collected:
Received: 10/03/2024
Completed: 10/10/2024
Batch#:

Client
Clovis LLC
Lic. # CLTV0099
506 Marcoux Rd
Hyde Park, VT 05655

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	10/04/2024	Complete
Moisture	10/04/2024	10.50% - Complete
Water Activity	10/04/2024	0.521 aw - Complete
Microbials	10/10/2024	Complete

Cannabinoids

Completed

19.38% Total THC	0.08% Total CBD	22.63% Total Cannabinoids

Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0005	<LOQ	<LOQ	
CBDV	0.0012	<LOQ	<LOQ	
CBDa	0.0008	0.09	0.9	
CBGa	0.0008	0.41	4.1	
CBG	0.0019	0.08	0.8	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.47	4.7	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	21.56	215.6	
Total THC		**19.38**	**193.84**	
Total CBD		**0.08**	**0.83**	
Total		**22.63**	**226.29**	**0.00**

Analyst: 048
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:
TotalTHC=(THCAx0.877)+Δ9-THC
Total CBD = (CBDA x 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 and water activity analysis is determined by dewpoint measurement using an AQUALAB water activity meter.

Luke Emerson-Mason
Laboratory Director
10/10/2024

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Pathogens

Completed

Pathogens	LOD	Results
	CFU/g	CFU/g
Aspergillus	5	Not Detected
Shiga Toxin E. Coli	5	Not Detected
Salmonella SPP	5	Not Detected

Analyst: 018
Test Methodology: Bio-Rad IQ-Check PCR Kits
cfu/g = colony forming units per gram
LOD = The lowest quantity that this method can reliably detect. Any microbial growth that was not detected is assumed to be less than the stated LOD (<LOD).
Reagent Blanks: <LOD for all analytes

Luke Emerson-Mason
Laboratory Director
10/10/2024

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