Bia Diagnostics Laboratories

Bia Diagnostics
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https://www.biadiagnostics.com/
Lic# TLAB0029

Flower

Sample ID: BIA240813S0001
Strain: Apple Fritter

Matrix: Plant
Type: Bulk Flower
Sample Size: 4.55 g
Lot#:

Produced:
Collected:
Received: 08/13/2024
Completed: 08/15/2024
Batch#: HL 12

Client
King Cola
Lic. # SCLT0161
Po Box 17
Williamstown, VT 05679

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	08/14/2024	Complete
Moisture	08/13/2024	10.90% - Complete
Water Activity	08/13/2024	0.543 aw - Complete

Cannabinoids

Completed

17.72%	0.05%	21.05%
Total THC	Total CBD	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	0.05	0.5	
CBGa	0.0008	0.75	7.5	
CBG	0.0019	0.09	0.9	
CBD	0.0019	<LOQ	<LOQ	
THCV	0.0021	<LOQ	<LOQ	
CBN	0.0013	<LOQ	<LOQ	
Δ9-THC	0.0020	0.39	3.9	
Δ8-THC	0.0019	<LOQ	<LOQ	
Δ10-THC	0.0002	<LOQ	<LOQ	
CBC	0.0024	<LOQ	<LOQ	
THCa	0.0034	19.77	197.7	
Total THC		**17.72**	**177.25**	
Total CBD		**0.05**	**0.48**	
Total		**21.05**	**210.52**	**0.00**

Analyst: 052
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 analysis is determined by loss-on-drying measurement using OHAUS Model MB90 Moisture Content Readers.

Luke Emerson-Mason
Laboratory Director
08/15/2024