Bia Diagnostics Laboratories

Bia Diagnostics
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Lic# TLAB0029

INTG0003-LB-FCL-018-001

Sample ID: BIA250528S0018
Strain: LAUGHING BUDDHA

Matrix: Plant
Type: Flower - Cured
Sample Size: 4 g
Lot#:

Produced:
Collected:
Received: 05/29/2025
Completed: 06/03/2025
Batch#:

Client
Grassroots Vermont
Lic. # intg0003
84 Lover's Lane
Brandon, VT 05733

Summary

Test	Date Tested	Result
Sample		Complete
Cannabinoids	06/02/2025	Complete
Moisture	05/30/2025	11.00% - Complete
Water Activity	05/30/2025	0.551 aw - Complete

Cannabinoids

Completed

27.39%	ND	33.09%
Total THC	Total CBD	Total Cannabinoids

Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBDVa	0.0003	<LOQ	<LOQ	
CBDV	0.0003	<LOQ	<LOQ	
CBDa	0.0005	<LOQ	<LOQ	
CBGa	0.0005	0.93	9.3	
CBG	0.0005	0.26	2.6	
CBD	0.0005	<LOQ	<LOQ	
THCV	0.0003	<LOQ	<LOQ	
CBLV	0.0003	0.06	0.6	
CBCV	0.0003	<LOQ	<LOQ	
THCVa	0.0003	0.25	2.5	
CBN	0.0005	<LOQ	<LOQ	

Analyte	LOQ	Results	Results	Mass
	mg/g	%	mg/g	mg/serving
CBCVa	0.0003	<LOQ	<LOQ	
CBNa	0.0003	<LOQ	<LOQ	
Δ9-THC	0.0005	0.72	7.2	
Δ8-THC	0.0003	<LOQ	<LOQ	
Δ10-THC*	0.0002	<LOQ	<LOQ	
CBL	0.0005	<LOQ	<LOQ	
CBC	0.0003	<LOQ	<LOQ	
THCa	0.0005	30.41	304.1	
CBCa	0.0006	0.45	4.5	
CBLa	0.0005	<LOQ	<LOQ	
Total THC		**27.39**	**273.89**	
Total CBD		**ND**	**ND**	**ND**
Total		**33.09**	**330.92**	**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:
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.
*The result is the sum of delta-10 isomers.

Luke Emerson-Mason
Laboratory Director
06/03/2025