

Certificate of Analysis

Company: Pilin it Higher Farms

Sample ID: Zerbtane

PO Box 419

Lot: CLTV-0252-1

Waterbury VT 05676

Matrix: Flower

Report Date: 1/11/2024

Date Analyzed: 1/4/2024

Customer ID: 231113-0

Date Sampled: N/A

Analyst: 045

Grower License #: CLTV0252

Date Received: 1/2/2024

Report ID: C240102AB

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	1.16	0.12
CBGA	0.0008	38.33	3.83
CBG	0.0019	1.67	0.17
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	22.19	2.22
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	311.59	31.16
CBC	0.0024	<LOQ	<LOQ
Total THC		295.45	29.55
Total CBD		1.01	0.10
Total Cannabinoids		374.94	37.49

29.55%

Total THC

0.1%

Total CBD

37.49%

Total Cannabinoids

2.22%

Δ9-THC

9.68%

Percent Moisture

1 : 0

THC : CBD Ratio



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 x 0.877) + Δ9-THC Total CBD = (CBDA x 0.877) + CBD
 Ratio of Total CBD: Total THC 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.

This report shall not be reproduced except in full without approval of the laboratory. This is to provide assurance that parts of a report are not taken out of context. Results apply to the samples as received.

Certified by: 
 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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Analyst: 052
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Water Activity Summary

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.4039



Test Methodology: Aqualab TDL 2 water activity meter with tunable diode laser

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Luke Emerson Mason (Laboratory Director, Bia Diagnostics)