

Certificate of Analysis

Company: Grass Roots Vermont

84 Lovers LN

Brandon, VT 05733

Customer ID: 230207-0

Grower License #: INTG0003

Sample ID: Blueberry Headband

Lot: INTG0003-BH-FBC

Matrix: Flower

Date Sampled: N/A

Date Received: 12/8/2023

Report Date: 12/22/2023

Date Analyzed: 12/21/2023

Analyst: 011

Report ID: C231208BR

Cannabinoid Summary

Cannabinoid Profile	LOQ (mg/g)	Concentration (mg/g)	Weight (%)
CBDVA	0.0005	<LOQ	<LOQ
CBDV	0.0012	<LOQ	<LOQ
CBDA	0.0008	0.90	0.09
CBGA	0.0008	15.04	1.50
CBG	0.0019	1.56	0.16
CBD	0.0019	<LOQ	<LOQ
THCV	0.0021	<LOQ	<LOQ
CBN	0.0013	<LOQ	<LOQ
Δ9-THC	0.0020	5.48	0.55
Δ8-THC	0.0019	<LOQ	<LOQ
THC-A	0.0034	260.25	26.03
CBC	0.0024	<LOQ	<LOQ
Total THC		233.72	23.37
Total CBD		0.79	0.08
Total Cannabinoids		283.23	28.32

23.37%
Total THC

0.08%
Total CBD

28.32%
Total
Cannabinoids

0.55%
Δ9-THC

12.30%
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.

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 Luke Emerson Mason (Laboratory Director, Bia Diagnostics)

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Sample ID: Blueberry Headband
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Report Date: 12/22/2023
Date Analyzed: 12/22/2023
Analyst: 049
Report ID: C231208BR

Customer ID: 230207-0

Date Sampled: N/A

Grower License #: INTG0003

Date Received: 12/8/2023

Pathogen Summary

Target Pathogens	Method	LOD (cfu/g)	Result (cfu/g)
Aspergillus - flavus, fumigatus, niger, terreus	Aspergillus AOAC PTM No. 032104	5	<LOD
STEC	STEC Virx AOAC PTM No. 121203	5	<LOD
Salmonella spp.	Salmonella II AOAC PTM No. 010803	5	<LOD



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

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Date Analyzed: 12/19/2023
Analyst: 052
Report ID: C231208BR

Water Activity Summary

Test	Method	Result
Water Activity	ASTM D8196: Determination of Water Activity in Cannabis Flower	0.4463



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

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