

HPLC Analysis Report

Cannabinoid Profile Certificate of Analysis

Date Received: 10-15-2020

Sample Name: Bubble Berry – CBD

Date Tested: 10-15-2020

Sample Matrix: Raw Hemp

APRC #: SOF201015E

Sample Lot: Blue

ID#	Cannabinoid	Ret. Time	Conc. (µg/mL)	% (w/w)	mg/g
1	Cannabidivarin (CBDV)	ND	ND	N/A	N/A
2	Cannabidiolic acid (CBDA)	2.691	1578.750	14.46	144.57
3	Cannabigerolic acid (CBGA)	2.844	44.617	0.41	4.09
4	Cannabigerol (CBG)	3.012	6.898	0.06	0.63
5	Cannabidiol (CBD)	3.182	10.821	0.10	0.99
6	Tetrahydrocannabivarin (THCV)	INT	INT	N/A	N/A
7	Cannabinol (CBN)	ND	ND	N/A	N/A
8	Δ9-Tetrahydrocannabinol (Δ9-THC)	5.867	1.801	0.02	0.16
9	Δ8-Tetrahydrocannabinol (Δ8-THC)	ND	ND	N/A	N/A
10	Cannabichromene (CBC)	7.371	2.391	0.02	0.22
11	Δ9-Tetrahydrocannabinolic acid (THCA-A)	7.680	70.475	0.65	6.45

Analyzed by: A. Anderson

Reviewed by: C. Gunn

	%	mg/g
Total Cannabinoids	15.71	157.12
Total THC [†]	0.58	5.82
Total CBD [‡]	12.78	127.78

[†] Total THC is calculated by Δ9-THC + (THCA-A*0.877)

[‡] Total CBD is calculated by CBD + (CBDA*0.877)

Notes: THCV could not be determined due to interfering substances

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ACS LABORATORY CANNABIS & HEMP BEYOND COMPLIANCE

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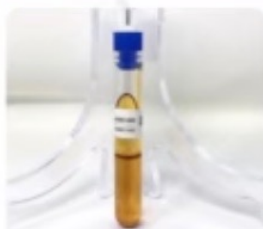
Delta 8 Sample Matrix: CBD/HEMP Derivative Products (Ingestion)

Certificate of Analysis

Compliance Test

Batch # Abfd821063 Test Reg State: Florida Production Facility: Blue Grass Extracts
Batch Date: 2021-03-17 Lab Batch Date: 2021-03-22 Production Date: 2021-03-17
Extracted From: Hemp

Order # BLU210317-010047 Sampling Date: 2021-03-22 Initial Gross Weight: 13.274 g
Order Date: 2021-03-17 Lab Batch Date: 2021-03-22
Sample # AABC480 Completion Date: 2021-03-25



Potency Tested

Product Image



Delta 8/Delta 10 Potency 12

Tested (LCUV)

Specimen Weight: 48.660 mg

Table with columns: Analyte, Dilution (1:n), LOD (%), LOQ (%), Result (mg/g), and (%). Rows include Delta-8 THC, CBN, Delta-10 THC, Delta-9 THC, CBC, CBD, THCV, THCA-A, CBGA, CBG, CBDV, and CBDA.

Potency Summary

Summary table with 2 columns: Total THC, Total CBD, Total CBG, Total CBN, Other Cannabinoids, Total Cannabinoids. Values include 'None Detected' and percentages like 96.780% and 96.870%.

Xueli Gao Lab Toxicologist Ph.D., DABT

Aisia Sun Lab Director/Principal Scientist Ph.D., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: *Total CBD = CBD + (CBD-A * 0.877). *Total THC = THCA-A * 0.877 + Delta 9 THC. *CBG Total = (CBGA * 0.877) + CBG. *CBN Total = (CBNA * 0.877) + CBN. *Other Cannabinoids Total = CBC + CBDV + THCV + THCV-A. *Total Detected Cannabinoids = CBD Total + CBG Total + CBN Total + THC Total + CBC + CBDV + THCV + THCV-A. *Analyte Details above show the Dry Weight Concentrations unless specified as 12% moisture concentration. (mg/ml) = Milligrams per Milliliter, LOQ = Limit of Quantitation, LOD = Limit of Detection, Dilution = Dilution Factor (ppb) = Parts per Billion, (%) = Percent, (cfu/g) = Colony Forming Unit per Gram (cfu/g) = Colony Forming Unit per Gram, LOD = Limit of Detection, (µg/g) = Microgram per Gram (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = aw (area ratio) = Area Ratio, (mg/kg) = Milligram per Kilogram, *Measurement of Uncertainty = +/- 5%

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