



**Certificate of Analysis**  
Compliance Test

Client Information:

**French Broad Cannabis**  
50 Commerce St.  
Brevard, NC 28712

Batch # WIP068004  
Batch Date: 2024-07-05  
Extracted From: Hemp

Test Reg State: Florida

Production Facility: FBC  
Production Date: 2024-07-05

Order # FRE240705-030001  
Order Date: 2024-07-05  
Sample # AAFT025

Sampling Date: 2024-07-08  
Lab Batch Date: 2024-07-08  
Completion Date: 2024-07-10

Initial Gross Weight: 36.484 g



Product Image



Pathogenic  
Tested



Potency  
Tested



Microbiology Petrifilm  
Passed

**Potency 10**  
Specimen Weight: 1511.700 mg

**Tested**  
SOP13.001 (LCUV)

**Potency Summary**

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
CBD	10.000	5.40E-5	0.015	4.330	0.433
CBC	10.000	1.80E-5	0.015	<LOQ	<LOQ
CBDA	10.000	1.00E-5	0.015	<LOQ	<LOQ
CBDV	10.000	6.50E-5	0.015	<LOQ	<LOQ
CBG	10.000	2.48E-4	0.015	<LOQ	<LOQ
CBGA	10.000	8.00E-5	0.015	<LOQ	<LOQ
CBN	10.000	1.40E-5	0.015	<LOQ	<LOQ
Delta-9 THC	10.000	1.30E-5	0.015	<LOQ	<LOQ
THCA-A	10.000	3.20E-5	0.015	<LOQ	<LOQ
THCV	10.000	7.00E-6	0.015	<LOQ	<LOQ
Total Active CBD	10.000			4.330	0.433
Total Active THC	10.000			<LOQ	<LOQ

Total Active THC None Detected	Total Active CBD 0.433%
Total CBG None Detected	Total CBN None Detected
Total Cannabinoids 0.433%	

*Aixia Sun*  
Aixia Sun Lab Director/Principal Scientist  
D.H.Sc., M.Sc., B.Sc., MT (AAB)



Definitions and Abbreviations used in this report: Total Active CBD = CBD + (CBD-A \* 0.877), \*Total CBDV = CBDV + (CBDVA \* 0.867), Total Active THC = THCA-A \* 0.877 + Delta 9 THC, Total THC = THC + (THCVA \* 0.87), CBG Total = (CBGA \* 0.878) + CBG, CBN Total = (CBNA \* 0.876) + CBN, Total CBC = CBC + (CBCA \* 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Total THCP = Delta8-THCP + Delta9-THCP, Total Cannabinoids = Total percentage of cannabinoids within the sample. (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, (µg/g) = Microgram per Gram, (ppm) = Parts per Million, (ppm) = (µg/g), (aw) = Water Activity, (mg/Kg) = Milligram per Kilogram. ACS uses simple acceptance criteria. Passed - Analyte/microbe is not detected or is at the level below the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Sample not received via laboratory sampling. Failed - Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K-4.036, 5K-4.034. Sample not received via laboratory sampling.

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Order Date: 2024-07-05  
Sample # Aaft025

Sampling Date: 2024-07-08  
Lab Batch Date: 2024-07-08  
Completion Date: 2024-07-10

Initial Gross Weight: 36.484 g

**Pathogenic SE Microarray with Botanicals (25g)**

Specimen Weight: 1010.000 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Salmonella	Passed	STEC E. Coli	Passed

**Tested**  
SOP13.019  
(Microarray)



**Microbiology (Petrifilm)**

Specimen Weight: 999.300 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)	Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Aerobic Bacteria	10	10000	<10	Total Enterobacteriaceae	10	1000	<10
E. Coli / Coliform	10	100	<10	Yeast/Mold	10	1000	<10

**Passed**  
SOP13.003  
(Petrifilm)

*Aixia Sun*

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

Definitions are found on page 1

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# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY

3 of 3

ICAL ID: 20231122-031  
 Sample: CA231122-016-039  
 CBD Distillate - Broad Spectrum THC-Free -  
 Finished Bulk [kg] - ITM000055  
 Strain: CBD Distillate - Broad Spectrum THC-Free -  
 Finished Bulk [kg] - ITM000055  
 Category: Concentrates & Extracts  
 Type: Other

Open Book Extracts  
 Lic. #  
 317 Lucy Garrett Rd  
 Roxboro, NC 27574  
 Lic. #

Batch#: BCA-000952-231114  
 Batch Size Collected:  
 Total Batch Size:  
 Collected: 11/28/2023; Received: 11/22/2023  
 Completed: 11/28/2023

## Chemical Residue Screening

Category 1	LOQ	LOD	Status	
	µg/g	µg/g	µg/g	
Aldicarb	ND	0.030	0.008	Pass
Carbofuran	ND	0.030	0.005	Pass
Chlordane	ND	0.075	0.025	Pass
Chlorfenapyr	ND	0.075	0.025	Pass
Chlorpyrifos	ND	0.046	0.015	Pass
Coumaphos	ND	0.030	0.004	Pass
Daminozide	ND	0.053	0.018	Pass
Dichlorvos	ND	0.055	0.018	Pass
Dimethoate	ND	0.030	0.006	Pass
Ethoprophos	ND	0.030	0.006	Pass
Etofenprox	ND	0.030	0.004	Pass
Fenoxycarb	ND	0.030	0.004	Pass
Fipronil	ND	0.050	0.017	Pass
Imazalil	ND	0.030	0.009	Pass
Methiocarb	ND	0.030	0.002	Pass
Mevinphos	ND	0.030	0.008	Pass
Paclbutrazol	ND	0.030	0.009	Pass
Parathion Methyl	ND	0.024	0.008	Pass
Propoxur	ND	0.030	0.008	Pass
Spiroxamine	ND	0.030	0.006	Pass
Thiacloprid	ND	0.030	0.005	Pass

Mycotoxins	LOQ	LOD	Limit	Status
	µg/kg	µg/kg	µg/kg	µg/kg
B1	ND	8.98	2.96	Tested
B2	ND	10.17	3.36	Tested
G1	ND	5.25	1.73	Tested
G2	ND	6.26	2.07	Tested
Ochratoxin A	ND	13.37	4.41	20 Pass
Total Aflatoxins	ND			20 Pass

Category 2	LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g	µg/g	
Abamectin	ND	0.099	0.033	0.1	Pass
Acephate	ND	0.030	0.007	0.1	Pass
Acequinocyl	ND	0.046	0.015	0.1	Pass
Acetamiprid	ND	0.030	0.005	0.1	Pass
Azoxystrobin	ND	0.030	0.005	0.1	Pass
Bifenazate	ND	0.030	0.007	0.1	Pass
Bifenthrin	ND	0.030	0.004	3	Pass
Boscalid	ND	0.030	0.008	0.1	Pass
Captan	ND	0.358	0.120	0.7	Pass
Carbaryl	ND	0.030	0.006	0.5	Pass
Chlorantraniliprole	ND	0.030	0.009	10	Pass
Clofentezine	ND	0.030	0.002	0.1	Pass
Cyfluthrin	ND	0.056	0.019	2	Pass
Cypermethrin	ND	0.181	0.060	1	Pass
Diazinon	ND	0.030	0.005	0.1	Pass
Dimethomorph	ND	0.030	0.005	2	Pass
Etoxazole	ND	0.030	0.004	0.1	Pass
Fenhexamid	ND	0.034	0.011	0.1	Pass
Fenpyroximate	ND	0.030	0.004	0.1	Pass
Flonicamid	ND	0.035	0.012	0.1	Pass
Fludioxonil	ND	0.036	0.012	0.1	Pass
Hexythiazox	ND	0.030	0.001	0.1	Pass
Imidacloprid	ND	0.033	0.011	5	Pass

Category 2	LOQ	LOD	Limit	Status	
	µg/g	µg/g	µg/g	µg/g	
Kresoxim Methyl	ND	0.030	0.007	0.1	Pass
Malathion	ND	0.030	0.003	0.5	Pass
Metalaxyl	ND	0.030	0.005	2	Pass
Methomyl	ND	0.030	0.009	1	Pass
Myclobutanil	ND	0.030	0.007	0.1	Pass
Naled	ND	0.030	0.008	0.1	Pass
Oxamyl	ND	0.030	0.007	0.5	Pass
Pentachloronitrobenzene	ND	0.054	0.018	0.1	Pass
Permethrin	ND	0.030	0.002	0.5	Pass
Phosmet	ND	0.030	0.005	0.1	Pass
Piperonyl Butoxide	ND	0.030	0.003	3	Pass
Prallethrin	ND	0.071	0.023	0.1	Pass
Propiconazole	ND	0.030	0.009	0.1	Pass
Pyrethrins	ND	0.030	0.003	0.5	Pass
Pyridaben	ND	0.030	0.002	0.1	Pass
Spinetoram	ND	0.030	0.001	0.1	Pass
Spinosad	ND	0.030	0.001	0.1	Pass
Spiromesifen	ND	0.030	0.009	0.1	Pass
Spirotetramat	ND	0.030	0.008	0.1	Pass
Tebuconazole	ND	0.030	0.006	0.1	Pass
Thiamethoxam	ND	0.030	0.008	5	Pass
Trifloxystrobin	ND	0.030	0.003	0.1	Pass

### Other Analyte(s):

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: LC-MS-MS & GC-MS-MS; samples analyzed according to SOPs PESTMYCO-LC-INST-004 and PEST-GC-INST-003.



Infinite Chemical Analysis Labs  
 8312 Miramar Mall  
 San Diego, CA  
 (858) 623-2740  
 www.infiniteCAL.com  
 Lic# C8-0000047-LIC

*Josh M Swider*

Josh Swider  
 Lab Director, Managing Partner  
 11/28/2023

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 coa.support@confidentlims.com  
 (866) 506-5866  
 www.confidentlims.com



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# Certificate of Analysis

QA SAMPLE - INFORMATIONAL ONLY 2 of 3

ICAL ID: 20231122-031  
Sample: CA231122-016-039  
CBD Distillate - Broad Spectrum THC-Free -  
Finished Bulk [kg] - ITM000055  
Strain: CBD Distillate - Broad Spectrum THC-Free -  
Finished Bulk [kg] - ITM000055  
Category: Concentrates & Extracts  
Type: Other

Open Book Extracts  
Lic. #  
317 Lucy Garrett Rd  
Roxboro, NC 27574  
Lic. #

Batch#: BCA-000952-231114  
Batch Size Collected:  
Total Batch Size:  
Collected: 11/28/2023; Received: 11/22/2023  
Completed: 11/28/2023

## Residual Solvent Analysis

Category 1	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status	Category 2	LOQ	LOD	Limit	Status			
1,2-Dichloro-Ethane	ND	0.509	0.17	1	Pass	Acetone	ND	51.246	17.082	5000	Pass	n-Hexane	ND	0.2807	0.066	290	Pass
Benzene	ND	0.064	0.021	1	Pass	Acetonitrile	ND	0.359	0.12	410	Pass	Isopropanol	ND	3.8401	1.28	5000	Pass
Chloroform	ND	0.108	0.036	1	Pass	Butane	ND	4.849	0.971	5000	Pass	Methanol	ND	8.917	2.972	3000	Pass
Ethylene Oxide	ND	0.579	0.153	1	Pass	Ethanol	ND	7.843	2.614	5000	Pass	Pentane	ND	4.271	0.962	5000	Pass
Methylene-Chloride	ND	0.7288	0.127	1	Pass	Ethyl-Acetate	ND	2.288	0.313	5000	Pass	Propane	ND	13.302	4.434	5000	Pass
Trichloroethene	ND	0.145	0.018	1	Pass	Ethyl-Ether	ND	3.548	1.183	5000	Pass	Toluene	ND	0.864	0.088	890	Pass
						Heptane	102.9	2.859	0.687	5000	Pass	Xylenes	ND	2.572	0.216	2170	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: HS-GC-MS; samples analyzed according to SOP RS-INST-003.

## Heavy Metal Screening

	LOQ	LOD	Limit	Status
Arsenic	ND	0.009	0.2	Pass
Cadmium	ND	0.002	0.2	Pass
Lead	ND	0.004	0.5	Pass
Mercury	ND	0.014	0.1	Pass

NR= Not Reported (no analysis was performed), ND= Not Detected (the concentration is less than the Limit of Detection (LOD)). Analytical instrumentation used: ICP-MS; samples analyzed according to SOP HM-INST-003.

## Microbiological Screening

	Limit	Result	Status
Aspergillus flavus	CFU/g	CFU/g	
Aspergillus fumigatus		NR	NT
Aspergillus niger		NR	NT
Aspergillus terreus		NR	NT
STEC		NR	NT
Salmonella SPP		Not Detected	Pass
		Not Detected	Pass

ND=Not Detected. Analytical instrumentation used:qPCR; samples analyzed according to SOP MICRO-INST-001.



Infinite Chemical Analysis Labs  
8312 Miramar Mall  
San Diego, CA  
(858) 623-2740  
www.infiniteCAL.com  
Lic# C8-0000047-LIC

*Josh M Swider*

Josh Swider  
Lab Director, Managing Partner  
11/28/2023

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coa.support@confidentlims.com  
(866) 506-5866  
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