



DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

Certificate of Analysis

Compliance Test

French Broad Cannabis
50 Commerce St.
Brevard, NC 28712

Batch # WIP072001
Batch Date: 2022-10-24
Extracted From: Hemp

Test Reg State: Florida

Production Facility: FBC
Production Date: 2022-10-24

Order # FRE221103-010001
Order Date: 2022-11-03
Sample # AADR255

Sampling Date: 2022-11-04
Lab Batch Date: 2022-11-04
Completion Date: 2022-11-08

Initial Gross Weight: 37.359 g
Net Weight: 34.867 g

Number of Units: 1
Net Weight per Unit: 42.000 g



Product Image

Potency Tested

Theanine-Caffeine-Melatonin Tested

Pathogenic Microbiology Passed

Microbiology (qPCR) Passed

Potency 21 (LCUV)
Specimen Weight: 1521.400 mg

Tested
SOP13.002 (LCUV)

Potency Summary

Total Active THC None Detected	Total Active CBD 0.003%	1.050mg
Total CBG 0.002%	0.840mg	Total CBN None Detected
Other Cannabinoids 0.752%	315.840mg	Total Cannabinoids 0.757%
		317.940mg

Pieces For Panel: 6

Analyte	Dilution (1:n)	LOD (%)	LOQ (%)	Result (mg/g)	(%)
THCV	100.000	7.00E-6	0.0015	5.9500	0.5950
Delta-8 THC	100.000	4.00E-5	0.0015	1.5720	0.1572
CBD	10.000	5.40E-5	0.0015	0.0250	0.0025
CBGA	10.000	8.00E-5	0.0015	0.0240	0.0024
CBC	10.000	1.80E-5	0.0015	<LOQ	
CBCA	10.000	1.07E-4	0.0015	<LOQ	
CBDA	10.000	1.00E-5	0.0015	<LOQ	
CBDV	10.000	6.50E-5	0.0015	<LOQ	
CBDVA	10.000	1.40E-5	0.0015	<LOQ	
CBG	10.000	2.48E-4	0.0015	<LOQ	
CBL	10.000	3.50E-5	0.0015	<LOQ	
CBN	10.000	1.40E-5	0.0015	<LOQ	
CBNA	10.000	9.50E-5	0.0015	<LOQ	
CBT	10.000	2.00E-4	0.0015	<LOQ	
Delta-8 THC	10.000	2.60E-5	0.0015	<LOQ	
Delta-8 THC-O Acetate	10.000	2.70E-5	0.0003	<LOQ	
Delta-9 THC	10.000	1.30E-5	0.0015	<LOQ	
Delta-9 THC-O Acetate	10.000	7.70E-5	0.0003	<LOQ	
Exo-THC	10.000	2.30E-4	0.0015	<LOQ	
THCA-A	10.000	3.20E-5	0.0015	<LOQ	
THCVA	10.000	4.70E-5	0.0015	<LOQ	

Xueli Gao
Lab Toxicologist
Ph.D., DABT

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 * 0.87), Total Active THC = THCA-A * 0.877 + Delta 9 THC, Total THCV = THCV + (THCVA * 0.87), CBG Total = (CBGA * 0.877) + CBG, CBN Total = (CBNA * 0.877) + CBN, Total CBC = CBC + (CBCA * 0.877), Total THC-O-Acetate = Delta 8 THC-O-Acetate + Delta 9 THC-O-Acetate, Other Cannabinoids Total = Total Cannabinoids - All the listed cannabinoids on the summary section, Total Detected Cannabinoids = Delta8a10a-THC + Delta8-THC + Total CBN + CBT + Delta8-THCV + Total CBG + Total CBD + Total THCV + CBL + Total THC + Total CBC + Total CBDV + Delta10-THC + Total THC-O-Acetate, 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 = +/- 10%

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Theanine-Caffeine-Melatonin

Specimen Weight: 79.800 mg

Dilution Factor: 150.000

Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Total/Piece (mg)	Analyte	LOD (%)	LOQ (%)	Result (mg/g)	(%)	Total/Piece (mg)
Caffeine	0.00000178	0.00025	0.23100	0.0231	9.702	Melatonin	0.00000038	0.00025	0	0	
L-theanine	0.00000163	0.00025	7.46000	0.746	313.32						

Tested
SOP13.049 (LCMS)



Microbiology (qPCR) With Botanicals

Passed
SOP13.017
(qPCR)

Specimen Weight: 500.800 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result	Analyte	Action Level (cfu/g)	Result
Total Aerobic Count	100000	Not Detected	Total Enterobacteriaceae	1000	Not Detected
Total Coliform	1000	Not Detected	Total Yeast/Mold	10000	Not Detected



Pathogenic Microbiology - SE (MicroArray)

Passed
SOP13.019
(Micro Array)

Specimen Weight: 1024.370 mg

Dilution Factor: 1.000

Analyte	Result (cfu/g)	Analyte	Result (cfu/g)
Salmonella	Absence in 1g	STEC E. Coli	Absence in 1g

Xueli Gao
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ANALYZED BY:

Anresco Laboratories
1375 Van Dyke Avenue,
San Francisco, CA 94124
C8-0000052-LIC

DISTRIBUTOR:

Open Book Extracts
317 Lucy Garrett Road
Roxboro 27574

MANUFACTURER:

317 Lucy Garrett Road
Roxboro, NC 27574



SAMPLE INFORMATION

Sample No.: 1129531
Product Name: THCv Isolate
Matrix: Concentrate (Isolate)
Batch #: BCA-000387-220607

Date Collected: 06/09/2022
Date Received: 06/09/2022
Date Reported: 06/14/2022

TEST SUMMARY

Cannabinoid Profile: ✔ Tested
Residual Solvent Screen: ✔ Pass

Pesticide Residue Screen: ✔ Pass
Heavy Metal Screen: ✔ Pass

Cannabinoid Profile

06/14/2022

Method: MF-CHEM-15
Instrument: Liquid Chromatography Diode Array Detector (LC-DAD)
Limit of Detection 0.33 mg/g
Limit of Quantification 1.00 mg/g

Cannabinoid	mg/g	%
Δ8-THC	4.95	0.495
Δ8-THCV	350.41	35.041
Δ9-THC	ND	ND
Δ9-THCA	ND	ND
THCV	640.60	64.060
THCVA	ND	ND
CBD	3.10	0.310
CBDa	ND	ND
CBC	ND	ND
CBCa	ND	ND
CBDV	ND	ND
CBDVA	ND	ND
CBG	ND	ND
CBGA	ND	ND
CBN	ND	ND
CBL	ND	ND
CBT	ND	ND
Δ8-THC Acetate*	ND	ND
Δ9-THC Acetate*	ND	ND
9R-Hexahydrocannabinol*	ND	ND
9S-Hexahydrocannabinol*	ND	ND
Total THC	ND	ND
Total CBD	3.10	0.310
Total Cannabinoids	999.05	99.905
Total Active Cannabinoids	999.05	99.905

Pesticide Residue Screen ✔ Pass

06/14/2022

Method: MF-CHEM-13
Instrument: Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Abamectin	0.04/0.10	ND	0.3	Pass
Acephate	0.02/0.06	ND	5.0	Pass
Acequinocyl	0.04/0.10	ND	4.0	Pass
Acetamiprid	0.02/0.06	ND	5.0	Pass
Aldicarb	0.02/0.06	ND	0.02	Pass
Azoxystrobin	0.02/0.06	ND	40.0	Pass
Bifenazate	0.02/0.06	ND	5.0	Pass
Bifenthrin	0.04/0.10	ND	0.5	Pass
Boscalid	0.02/0.06	ND	10.0	Pass
Captan	0.2/0.6	ND	5.0	Pass
Carbaryl	0.02/0.06	ND	0.5	Pass

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Carbofuran	0.02/0.06	ND	0.02	Pass
Chlorantraniliprole	0.02/0.06	ND	40.0	Pass
Chlordane	0.02/0.06	ND	0.02	Pass
Chlorfenapyr	0.02/0.08	ND	0.02	Pass
Chlorpyrifos	0.02/0.06	ND	0.02	Pass
Clofentezine	0.02/0.06	ND	0.5	Pass
Coumaphos	0.02/0.06	ND	0.02	Pass
Cyfluthrin	0.10/0.30	ND	1.0	Pass
Cypermethrin	0.10/0.30	ND	1.0	Pass
Daminozide	0.02/0.06	ND	0.02	Pass
DDVP (Dichlorvos)	0.02/0.06	ND	0.02	Pass
Diazinon	0.02/0.06	ND	0.2	Pass
Dimethoate	0.02/0.06	ND	0.02	Pass
Dimethomorph	0.02/0.06	ND	20.0	Pass
Ethoprop(hos)	0.02/0.06	ND	0.02	Pass
Etofenprox	0.02/0.06	ND	0.02	Pass
Etoxazole	0.02/0.06	ND	1.5	Pass
Fenhexamid	0.02/0.06	ND	10.0	Pass
Fenoxycarb	0.02/0.06	ND	0.02	Pass
Fenpyroximate	0.02/0.06	ND	2.0	Pass
Fipronil	0.02/0.06	ND	0.02	Pass
Flonicamid	0.02/0.06	ND	2.0	Pass
Fludioxonil	0.02/0.06	ND	30.0	Pass
Hexythiazox	0.02/0.06	ND	2.0	Pass
Imazalil	0.02/0.06	ND	0.02	Pass
Imidacloprid	0.02/0.06	ND	3.0	Pass
Kresoxim Methyl	0.02/0.06	ND	1.0	Pass
Malathion	0.02/0.06	ND	5.0	Pass
Metalaxyl	0.02/0.06	ND	15.0	Pass
Methiocarb	0.02/0.06	ND	0.02	Pass
Methomyl	0.02/0.06	ND	0.1	Pass
Methyl parathion	0.02/0.06	ND	0.02	Pass
Mevinphos	0.02/0.06	ND	0.02	Pass
Myclobutanil	0.02/0.06	ND	9.0	Pass
Naled	0.02/0.06	ND	0.5	Pass
Oxamyl	0.02/0.06	ND	0.2	Pass
Paclobutrazol	0.02/0.06	ND	0.02	Pass
Pentachloronitrobenzene	0.04/0.10	ND	0.2	Pass
Permethrins	0.10/0.30	ND	20.0	Pass
Phosmet	0.02/0.06	ND	0.2	Pass
Piperonyl Butoxide	0.02/0.06	ND	8.0	Pass
Prallethrin	0.04/0.10	ND	0.4	Pass
Propiconazole	0.02/0.06	ND	20.0	Pass
Propoxur	0.02/0.06	ND	0.02	Pass
Pyrethrins	0.10/0.30	ND	1.0	Pass
Pyridaben	0.02/0.06	ND	3.0	Pass
Spinetoram	0.02/0.06	ND	3.0	Pass
Spinosad	0.02/0.06	ND	3.0	Pass
Spiromesifen	0.04/0.10	ND	12.0	Pass
Spirotetramat	0.02/0.06	ND	13.0	Pass
Spiroxamine	0.02/0.06	ND	0.02	Pass
Tebuconazole	0.02/0.06	ND	2.0	Pass
Thiadoprid	0.02/0.06	ND	0.02	Pass
Thiamethoxam	0.02/0.06	ND	4.5	Pass
Trifloxystrobin	0.02/0.06	ND	30.0	Pass

Residual Solvent Screen ✔ Pass

06/14/2022

Method: USP OVI<467>

Instrument: Gas Chromatography Mass Spectrometry (GC/MS)

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
1,2-Dichloroethane	0.2/0.5	ND	1	Pass
Acetone	67/200	ND	5000	Pass
Acetonitrile	67/200	ND	410	Pass
Benzene	0.2/0.5	ND	1	Pass
n-Butane	67/200	ND	5000	Pass
Chloroform	0.2/0.5	ND	1	Pass
Ethanol	67/200	ND	5000	Pass
Ethyl acetate	67/200	ND	5000	Pass

Analyte	LOD/LOQ (ppm)	Findings (ppm)	Limit (ppm)	Status
Ethyl ether	67/200	ND	5000	Pass
Ethylene oxide	0.2/0.5	ND	1	Pass
n-Heptane	67/200	ND	5000	Pass
n-Hexane	67/200	ND	290	Pass
Isopropyl alcohol	67/200	ND	5000	Pass
Methanol	67/200	ND	3000	Pass
Methylene chloride	0.2/0.5	ND	1	Pass
n-Pentane	67/200	ND	5000	Pass
Propane	67/200	ND	5000	Pass
Toluene	67/200	ND	890	Pass
Total xylenes (ortho-, meta-, para-)	67/200	ND	2170	Pass
Trichloroethylene	0.2/0.5	ND	1	Pass

Heavy Metal Screen ✔ Pass

06/13/2022

Method: MF-CHEM-16

Instrument: Inductively Coupled Plasma Mass Spectrometry (ICP-MS)

Analyte	LOD/LOQ (µg/g)	Findings (µg/g)	Limit (µg/g)	Status
Arsenic	0.02/0.05	ND	1.5	Pass
Cadmium	0.02/0.05	ND	0.5	Pass
Mercury	0.02/0.05	ND	3	Pass
Lead	0.02/0.05	BLOQ	0.5	Pass

(-) = Not Tested, ND = None Detected, <LOQ = Below Limit of Quantitation, LOD = Limit of Detection

Reported by




Vu Lam
Lab Co Director



Scan to verify