



Smithers CTS NJ LLC
16000 Horizon Way, Suite 700
Mount Laurel, NJ 08054
Accreditation #: 103104
Certificate #: L22-543-4-R2

Certificate of Analysis



Customer: Curaleaf HEMP

Address:

2375 Fortune Drive
Lexington KY 40509

Phone: 954-696-7791

License #: N/A



Sample ID: 17018
Sample Name: Orange X-Bites
Sample Type: Gummy
Sample Received: 09/04/2024
Report Date: 09/05/2024
Client Batch ID: XGMY-027
Unit Weight (g): 5



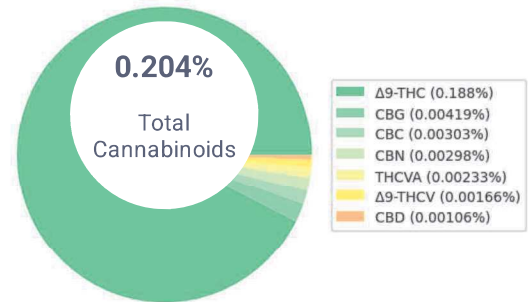
Results Summary

Cannabinoids

09/05/2024

TESTED

Cannabinoid Distribution (%)



Disclaimer: The results presented within this report pertain only to the sample(s) indicated, as received by Smithers CTS NJ LLC. Smithers CTS NJ LLC is responsible for the information provided in this report, unless indicated that the customer provided the information. This report shall not be reproduced, except in full, without the written approval of Smithers CTS NJ LLC. Action limits used to dictate pass/fail criteria are set by the New Jersey Cannabis Regulatory Commission.





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Cannabinoids

Date Started: 09/04/2024
Instrument: HPLC

Date Completed: 09/05/2024
Method: TP-10.001.01 & TP-10.002.01

Analyst: Kevin Stevens
Deviation: N/A

Cannabinoid	Result (%)	Result (mg/serving)	Result (mg/package)	LOD (mg/serving)	LOQ (mg/serving)
Δ9-THC	0.188	9.41	94.1	0.0295	0.0972
CBG	0.00419	0.210	2.10	0.0147	0.0486
CBC	0.00303	0.152	1.52	0.0147	0.0486
CBN	0.00298	0.149	1.49	0.0147	0.0486
THCVA	0.00233	0.116	1.16	0.0147	0.0486
Δ9-THCV	0.00166	0.0831	0.831	0.0147	0.0486
CBD	0.00106	0.0530	0.530	0.0147	0.0486
CBGA	<LOQ	<LOQ	<LOQ	0.0147	0.0486
CBDA	ND	ND	ND	0.0147	0.0486
CBDVA	ND	ND	ND	0.0147	0.0486
CBDV	ND	ND	ND	0.0147	0.0486
*CBNA	ND	ND	ND	0.0147	0.0486
Δ8-THC	ND	ND	ND	0.0295	0.0972
CBL	ND	ND	ND	0.0295	0.0972
THCA	ND	ND	ND	0.0147	0.0486
*CBCA	ND	ND	ND	0.0295	0.0972
Total THC	0.188	9.41	94.1		
Total CBD	0.00106	0.0530	0.530		
Total Cannabinoids	0.204	10.2	102		

*CBCA and CBNA are not currently included on the ISO 17025 accreditation scope

Total THC = Δ9-THC + Δ8-THC + (THCA x 0.877)

Total CBD = CBD + (CBDA x 0.877)

Total Cannabinoids = Sum of all cannabinoids without THC/CBD corrections.

LOD = Limit of Detection; LOQ = Limit of Quantitation; ND = Not Detected.

Eric Steele, Lab Director
09/05/2024

END OF REPORT

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Certificate of Analysis
Compliance Test

Client Information:

Curaleaf Hemp (KY)
2375 Fortune Drive
Lexington, Kentucky 40509
Order # CUR240903-010001
Order Date: 2024-09-03
Sample # AAFX166Batch # XGMY-027
Batch Date: 2024-09-03
Extracted From: Hemp

Test Reg State: Florida

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg

Product Image



Staphylococcus Aureus

Passed



Terpenes

Passed



Pesticides

Passed



Heavy Metals

Passed



Microbiology Petrifilm

Passed



Mycotoxins

Passed



Residual Solvents

Passed



Water Activity

Passed



Pathogenic Microbiology

Passed



Listeria Monocytogenes

Passed



Microbiology Petrifilm

Passed

NP Terpenes

Specimen Weight: 1549.100 mg

Passed

SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	1.890	0.189	Fenchyl Alcohol	0.002	<LOQ	
beta-Myrcene	0.002	0.042	0.004	Gamma-Terpinene	0.002	<LOQ	
(+)-Cedrol	0.002	<LOQ		Geraniol	0.002	<LOQ	
3-Carene	0.002	<LOQ		Geranyl acetate	0.002	<LOQ	
alpha-Bisabolol	0.002	<LOQ		Guaiol	0.002	<LOQ	
alpha-Cedrene	0.002	<LOQ		Hexahydrothymol	0.002	<LOQ	
alpha-Humulene	0.002	<LOQ		Isoborneol	0.002	<LOQ	
alpha-Phellandrene	0.002	<LOQ		Isopulegol	0.002	<LOQ	
alpha-Pinene	0.002	<LOQ		Linalool	0.002	<LOQ	
alpha-Terpinene	0.002	<LOQ		Nerol	0.002	<LOQ	
beta-Pinene	0.002	<LOQ		Ocimene	0.00033	<LOQ	
Borneol	0.002	<LOQ		Pulegone	0.002	<LOQ	
Camphene	0.002	<LOQ		Sabinene	0.002	<LOQ	
Camphors	0.006	<LOQ		Sabinene Hydrate	0.002	<LOQ	
Caryophyllene oxide	0.002	<LOQ		Terpinolene	0.002	<LOQ	
cis-Nerolidol	0.002	<LOQ		Total Terpinoid	0.00126	<LOQ	
Eucalyptol	0.002	<LOQ		trans-Caryophyllene	0.002	<LOQ	
Farnesene	0.002	<LOQ		trans-Nerolidol	0.002	<LOQ	
Fenchone	0.002	<LOQ		Valencene	0.002	<LOQ	

Staphylococcus Aureus
Specimen Weight: 251.000 mgPassed
SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte	Result
Staphylococcus aureus	Absence

National Panel Water Activity
Specimen Weight: 0.500 g

Passed

SOP13.016 (Water Activity Analyzer)

Dilution Factor: 1.000

Analyte	Action Level (aw)	Result (aw)
Water Activity	0.85	0.703



Total Terpenes: 0.193%

Aixa 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 = THCV + (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, (µg/g) = (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, 5K4.036, 5K4.034. Failed = Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K4.036, 5K4.034 Sample not received via laboratory sampling. Pesticides indicators: 1=FL LOD/LOQ/AL; 2= CO LOD/LOQ/AL; 3= CO LOD/ACS CO LOQ

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Sample # AAFX166

Batch # XGMY-027
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Extracted From: Hemp

Test Reg State: Florida

Sampling Date: 2024-09-04
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Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



National Panel Listeria Monocytogenes

Specimen Weight: 983.900 mg

Dilution Factor: 1.000

Analyte
Listeria Monocytogenes

Passed
SOP13.032 (qPCR)

Result
Absence



National Panel Bile Tolerant Gram-Negative Bacteria

Specimen Weight: 996.500 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Bile tolerant gram-negative bacteria	100	100000	<LOQ

Passed
SOP13.003 (Petrifilm)



National Panel Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1029.700 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	STEC E. Coli	1	Absence in 1g
Salmonella	1	Absence in 1g			

Passed
SOP13.019 (Micro Array)



National Panel Microbiology (Petrifilm)

Specimen Weight: 996.500 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)
Total Aerobic Count	1000	100000	<1000	Total Enterobacteriaceae	100	1000	<100
Total Coliform	100	1000	<100	Total Yeast/Mold	100	10000	<100

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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721 Cortaro Dr.
Sun City Center, FL 33573
www.acslab.com
DEA No. RA0571996
FL License # CMTL-0003
CLIA No. 10D1094068

X-Bites Orange
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



Certificate of Analysis

Compliance Test

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Lexington, Kentucky 40509
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Sample # AAFX166

Batch # XGMY-027
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Extracted From: Hemp

Test Reg State: Florida

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



National Panel Mycotoxins

Specimen Weight: 585.600 mg

Dilution Factor: 2.560

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.093	2.5	5	<LOQ	Aflatoxin G2	0.627	2.5	5	<LOQ
Aflatoxin B2	0.121	2.5	5	<LOQ	Aflatoxin Total		2.5	20	<LOQ
Aflatoxin G1	0.191	2.5	5	<LOQ	Ochratoxin A	0.638	3.5	20	<LOQ

Passed

SOP13.059 (LCMS)



National Panel Heavy Metals

Specimen Weight: 251.800 mg

Dilution Factor: 198.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Antimony (Sb)	0.032	1000	120000	<LOQ	Molybdenum (Mo)	0.009	500	300000	<LOQ
Arsenic (As)	0.014	100	200	<LOQ	Nickel (Ni)	0.352	250	20000	<LOQ
Barium (Ba)	0.056	15000	140000	<LOQ	Osmium (Os)	0.003	50	10000	<LOQ
Cadmium (Cd)	0.002	100	500	<LOQ	Palladium (Pd)	0.017	50	10000	<LOQ
Chromium (Cr)	0.052	150	1100000	<LOQ	Platinum (Pt)	0.008	50	10000	<LOQ
Cobalt (Co)	0.003	150	5000	<LOQ	Rhodium (Rh)	0.003	50	10000	<LOQ
Copper (Cu)	0.059	1500	300000	<LOQ	Ruthenium (Ru)	0.002	50	10000	<LOQ
Gold (Au)	0.021	50	10000	<LOQ	Selenium (Se)	4.631	6500	15000	<LOQ
Iridium (Ir)	0.001	50	10000	<LOQ	Silver (Ag)	0.005	350	15000	<LOQ
Lead (Pb)	0.006	250	500	<LOQ	Thallium (Tl)	0.006	400	800	<LOQ
Lithium (Li)	0.301	1250	55000	<LOQ	Tin (Sn)	0.047	3000	600000	<LOQ
Mercury (Hg)	0.014	50	3000	<LOQ	Vanadium (V)	0.038	50	10000	<LOQ

Passed

SOP13.055 (ICP-MS)

Aixia Sun

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

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X-Bites Orange
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



Certificate of Analysis

Compliance Test

Client Information:

Curaleaf Hemp (KY)
2375 Fortune Drive
Lexington, Kentucky 40509

Batch # XGMY-027
Batch Date: 2024-09-03
Extracted From: Hemp

Test Reg State: Florida

Order # CUR240903-010001
Order Date: 2024-09-03
Sample # AAFX166

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



National Panel Residual Solvents

Specimen Weight: 59.700 mg

Passed
SOP13.056, SOP13.039 (GCMS)

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.03	2	<LOQ	Ethanol	0.025	2500	<LOQ
1,2-Dimethoxyethane	0.025	5	<LOQ	Ethyl Acetate	0.025	400	<LOQ
1,2-Dichloroethane	0.025	2	<LOQ	Ethyl Ether	0.025	500	<LOQ
1,4-Dioxane	0.025	50	<LOQ	Ethylbenzene	0.025	2170	<LOQ
1-Butanol	0.025	5000	<LOQ	Ethylene glycol	0.025	50	<LOQ
1-Pentanol	0.025	5000	<LOQ	Ethylene Oxide	0.025	1	<LOQ
1-Propanol	0.025	5000	<LOQ	Heptane	0.025	500	<LOQ
2,2-dimethylbutane	0.025	290	<LOQ	Hexane	0.025	10	<LOQ
2,3-Butanedione	0.025	1	<LOQ	Isopropyl acetate	0.025	5000	<LOQ
2,3-dimethylbutane	0.025	290	<LOQ	Isopropyl alcohol	0.025	500	<LOQ
2-Butanol	0.025	5000	<LOQ	Methanol	0.025	250	<LOQ
2-Butanone	0.025	5000	<LOQ	Methylene chloride	0.025	1	<LOQ
2-Ethoxyethanol	0.025	50	<LOQ	Methylpropane	0.025	1	<LOQ
2-methylbutane	0.025	5000	<LOQ	N,N-dimethylacetamide	0.025	50	<LOQ
2-Methylpentane	0.025	290	<LOQ	N,N-dimethylformamide	0.025	50	<LOQ
3-Methylpentane	0.025	290	<LOQ	Pentane	0.025	500	<LOQ
Acetone	0.025	500	<LOQ	Propane	0.025	500	<LOQ
Acetonitrile	0.025	50	<LOQ	Pyridine	0.025	50	<LOQ
Benzene	0.025	1	<LOQ	Tetrahydrofuran	0.025	50	<LOQ
Butanes	0.025	800	<LOQ	Tetramethylene sulfone	0.025	160	<LOQ
Chlorobenzene	0.28	50	<LOQ	Toluene	0.025	1	<LOQ
Chloroform	0.025	1	<LOQ	Total Xylenes	0.025	3	<LOQ
Cumene	0.025	50	<LOQ	Trichloroethylene	0.025	1	<LOQ
Dimethyl sulfoxide	0.025	5000	<LOQ				

Aixia Sun

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

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Number of Units: 1
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National Panel Pesticides

Specimen Weight: 585.600 mg

Passed
SOP13.059 (LCMS/GCMS)

Dilution Factor: 2.560

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin ¹	0.435	9	300	<LOQ	Hexythiazox ¹	0.045	9.6	2000	<LOQ	Cyantraniliprole ²	0.006004	9.6	10	<LOQ
Acephate ¹	0.467	9.6	3000	<LOQ	Imazalil ¹	0.639	9.6	100	<LOQ	Cyprodinil ²	0.001141	9.6	10	<LOQ
Acequinocyl ¹	0.801	9.6	2000	<LOQ	Imidacloprid ¹	0.159	9.6	3000	<LOQ	Dinotefuran ²	0.236975	9.6	50	<LOQ
Acetamiprid ¹	0.080	9.6	3000	<LOQ	Kresoxim Methyl ¹	0.268	9.6	1000	<LOQ	Endosulfan-alpha ²	12.22	30	2500	<LOQ
Aldicarb ¹	0.124	9.6	100	<LOQ	Malathion ¹	0.410	9.6	2000	<LOQ	Endosulfan-beta ²	22.76	30	2500	<LOQ
Azoxystrobin ¹	0.683	9.6	3000	<LOQ	Metaxyl ¹	0.749	9.6	3000	<LOQ	Etridiazole ²	4.02	9.6	150	<LOQ
Bifenazate ¹	0.121	9.6	3000	<LOQ	Methiocarb ¹	0.099	9.6	100	<LOQ	Fensulfothion ²	0.000794	9.6	10	<LOQ
Bifenthrin ¹	0.082	9.6	500	<LOQ	Methomyl ¹	0.121	9.6	100	<LOQ	Fenthion ²	4.911315	9.6	10	<LOQ
Boscalid ¹	0.153	9.6	3000	<LOQ	methyl-Parathion ¹	3.065	9.6	100	<LOQ	Fluopyram ²	1.12E-9	9.6	10	<LOQ
Captan ¹	8.966	48	3000	<LOQ	Mevinphos ¹	1.370	9.6	100	<LOQ	Iprodione ²	0.105543	9.6	500	<LOQ
Carbaryl ¹	0.118	9.6	500	<LOQ	Myclobutanil ¹	0.571	9.6	3000	<LOQ	Kinoprene ²	3.4	441.6	1250	<LOQ
Carbofuran ¹	0.178	9.6	100	<LOQ	Naled ¹	0.083	9.6	500	<LOQ	Novaluron ²	0.000205	9.6	25	<LOQ
Chlorantraniliprole ¹	0.052	9.6	3000	<LOQ	Oxamyl ¹	0.123	9.6	500	<LOQ	Pirimicarb ²	0.0000566	9.6	10	<LOQ
Chlordane ¹	3.121	9.6	100	<LOQ	Paclobutrazol ¹	0.123	9.6	100	<LOQ	Pyraclostrobin ²	5.31E-7	9.6	10	<LOQ
Chlorfenapyr ¹	0.139	9.6	100	<LOQ	Permethrin ¹	0.718	9.6	1000	<LOQ	Resmethrin ²	0.068013	9.6	50	<LOQ
Chloromequat Chloride ¹	0.783	9.6	3000	<LOQ	Phosmet ¹	0.301	9.6	200	<LOQ	Tebufenozide ²	0.018121	9.6	10	<LOQ
Chlorpyrifos ¹	0.271	9.6	100	<LOQ	Piperonylbutoxide ¹	0.217	9.6	3000	<LOQ	Teflubenzuron ²	0.01662	9.6	25	<LOQ
Clofentezine ¹	0.119	9.6	500	<LOQ	Prallethrin ¹	1.365	9.6	400	<LOQ	Tetrachlorvinphos ²	0.839125	9.6	10	<LOQ
Coumaphos ¹	0.129	9.6	100	<LOQ	Propiconazole ¹	0.259	9.6	1000	<LOQ	Atrazine ³	0.379918	9.6	9.6	<LOQ
Cyfluthrin ¹	7.730	48	1000	<LOQ	Propoxur ¹	0.147	9.6	100	<LOQ	Buprofezin ³	1.66E-9	9.6	9.6	<LOQ
Cypermethrin ¹	0.887	9.6	1000	<LOQ	Pyrethrins ¹	0.256	1.4	1000	<LOQ	Deltamethrin ³	0.492837	9.6	9.6	<LOQ
Daminozide ¹	1.797	9.6	100	<LOQ	Pyridaben ¹	0.059	9.6	3000	<LOQ	Diuron ³	0.006862	9.6	9.6	<LOQ
Diazinon ¹	1.328	9.6	200	<LOQ	Spinetoram ¹	0.346	9.6	3000	<LOQ	Dodemorph ³	6.47E-12	9.6	9.6	<LOQ
Dichlorvos ¹	0.465	9.6	100	<LOQ	Spinosad ¹	0.028	2.39	3000	<LOQ	Endosulfan sulfate ³	0.88376	9.6	2500	<LOQ
Dimethoate ¹	0.366	9.6	100	<LOQ	Spiromesifen ¹	0.291	9.6	3000	<LOQ	Fenvalerate ³	0.597752	9.6	9.6	<LOQ
Dimethomorph ¹	0.272	9.6	3000	<LOQ	Spirotetramat ¹	0.141	9.6	3000	<LOQ	Lambda Cyhalothrin ³	0.116859	9.6	9.6	<LOQ
Ethoprophos ¹	0.192	9.6	100	<LOQ	Spiroxamine ¹	0.119	9.6	100	<LOQ	Methoprene ³	1.148463	9.6	9.6	<LOQ
Etofenprox ¹	0.116	9.6	100	<LOQ	Tebuconazole ¹	1.48E-14	9.6	1000	<LOQ	MGK-264 ³	0.002068	7.4	7.4	<LOQ
Etoxazole ¹	0.570	9.6	1500	<LOQ	Thiacloprid ¹	0.397	9.6	100	<LOQ	Pentachloronitrobenzen (Quintozene)	1.817	9.6	200	<LOQ
Fenhexamid ¹	1.011	9.6	3000	<LOQ	Thiamethoxam ¹	0.104	9.6	1000	<LOQ	Phenothrin ³	0.000000212	9.6	9.6	<LOQ
Fenoxycarb ¹	0.169	9.6	100	<LOQ	Trifloxystrobin ¹	0.088	9.6	3000	<LOQ	Pyriproxyfen ³	0.0000958	9.6	9.6	<LOQ
Fenpyroximate ¹	0.139	9.6	2000	<LOQ	Allethrin ²	0.472436	9.6	100	<LOQ	Spirodiclofen ³	0.373769	9.6	9.6	<LOQ
Fipronil ¹	0.605	9.6	100	<LOQ	Azadirachtin ²	0.003071	9.6	500	<LOQ	Tetramethrin ³	0.0000992	9.6	9.6	<LOQ
Flonicamid ¹	0.128	9.6	2000	<LOQ	Benzovindiflupyr ²	0.012567	9.6	10	<LOQ	Thiabendazole ³	0.001251	9.6	9.6	<LOQ
Fludioxonil ¹	0.521	9.6	3000	<LOQ	Clothianidin ²	0.000399	9.6	25	<LOQ	Thiophanate-methyl ³	0.000223	9.6	9.6	<LOQ

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

X-Bites Orange
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



Certificate of Analysis
Compliance Test

Client Information:

Curaleaf Hemp (KY)
2375 Fortune Drive
Lexington, Kentucky 40509
Order # CUR240903-010001
Order Date: 2024-09-03
Sample # AAFX166

Batch # XGMY-027
Batch Date: 2024-09-03
Extracted From: Hemp

Test Reg State: Florida

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



Product Image

Staphylococcus Aureus
Passed

Terpenes
Passed

Pesticides
Passed

Heavy Metals
Passed

Microbiology Petrifilm
Passed

Mycotoxins
Passed

Residual Solvents
Passed

Water Activity
Passed

Pathogenic Microbiology
Passed

Listeria Monocytogenes
Passed

Microbiology Petrifilm
Passed

NP Terpenes
Specimen Weight: 1549.100 mg

Passed
SOP13.045 (GC/GCMS)

Dilution Factor: 20.000

Analyte	LOQ (%)	Result (mg/g)	(%)	Analyte	LOQ (%)	Result (mg/g)	(%)
(R)-(+)-Limonene	0.002	1.890	0.189	Fenchyl Alcohol	0.002	<LOQ	<LOQ
beta-Myrcene	0.002	0.042	0.004	Gamma-Terpinene	0.002	<LOQ	<LOQ
(+)-Cedrol	0.002	<LOQ	<LOQ	Geraniol	0.002	<LOQ	<LOQ
3-Carene	0.002	<LOQ	<LOQ	Geranyl acetate	0.002	<LOQ	<LOQ
alpha-Bisabolol	0.002	<LOQ	<LOQ	Guaiol	0.002	<LOQ	<LOQ
alpha-Cedrene	0.002	<LOQ	<LOQ	Hexahydrothymol	0.002	<LOQ	<LOQ
alpha-Humulene	0.002	<LOQ	<LOQ	Isoborneol	0.002	<LOQ	<LOQ
alpha-Phellandrene	0.002	<LOQ	<LOQ	Isopulegol	0.002	<LOQ	<LOQ
alpha-Pinene	0.002	<LOQ	<LOQ	Linalool	0.002	<LOQ	<LOQ
alpha-Terpinene	0.002	<LOQ	<LOQ	Nerol	0.002	<LOQ	<LOQ
beta-Pinene	0.002	<LOQ	<LOQ	Ocimene	0.00033	<LOQ	<LOQ
Borneol	0.002	<LOQ	<LOQ	Pulegone	0.002	<LOQ	<LOQ
Camphene	0.002	<LOQ	<LOQ	Sabinene	0.002	<LOQ	<LOQ
Camphors	0.006	<LOQ	<LOQ	Sabinene Hydrate	0.002	<LOQ	<LOQ
Caryophyllene oxide	0.002	<LOQ	<LOQ	Terpinolene	0.002	<LOQ	<LOQ
cis-Nerolidol	0.002	<LOQ	<LOQ	Total Terpeneol	0.00126	<LOQ	<LOQ
Eucalyptol	0.002	<LOQ	<LOQ	trans-Caryophyllene	0.002	<LOQ	<LOQ
Farnesene	0.002	<LOQ	<LOQ	trans-Nerolidol	0.002	<LOQ	<LOQ
Fenchone	0.002	<LOQ	<LOQ	Valencene	0.002	<LOQ	<LOQ

Staphylococcus Aureus
Specimen Weight: 251.000 mg

Passed
SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte
Staphylococcus aureus

Result
Absence

National Panel Water Activity
Specimen Weight: 0.500 g

Passed
SOP13.016 (Water Activity Analyzer)

Dilution Factor: 1.000

Analyte
Water Activity

Action Level (aw)
0.85

Result (aw)
0.703

Total Terpenes: 0.193%

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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 = THCV + (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, 5K4.036, 5K4.034. Failed – Analyte/microbe is at the level that equal or above the action limit per FL rule 64ER20-39, 5K4.036, 5K4.034 Sample not received via laboratory sampling. Pesticides indicators: 1=FL LOD/LOQ/AL; 2= CO LOD/LOQ/AL; 3= CO LOD/ACS CO LOQ

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Test Reg State: Florida

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



National Panel Listeria Monocytogenes

Specimen Weight: 983.900 mg

Dilution Factor: 1.000

Analyte
Listeria Monocytogenes

Passed
SOP13.032 (qPCR)

Result
Absence



National Panel Bile Tolerant Gram-Negative Bacteria

Specimen Weight: 996.500 mg

Dilution Factor: 1.000

Analyte	LOQ (cfu/g)	Action Level (cfu/g)	Result (cfu/g)
Bile tolerant gram-negative bacteria	100	100000	<LOQ

Passed
SOP13.003 (Petrifilm)



National Panel Pathogenic Microbiology SAE (MicroArray)

Specimen Weight: 1029.700 mg

Dilution Factor: 1.000

Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)
Aspergillus (Flavus, Fumigatus, Niger, Terreus)	1	Absence in 1g	STEC E. Coli	1	Absence in 1g
Salmonella	1	Absence in 1g			

Passed
SOP13.019 (Micro Array)



National Panel Microbiology (Petrifilm)

Specimen Weight: 996.500 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)
Total Aerobic Count	1000	100000	<1000	Total Enterobacteriaceae	100	1000	<100
Total Coliform	100	1000	<100	Total Yeast/Mold	100	10000	<100

Passed
SOP13.003 (Petrifilm)

Aixia Sun

Aixia Sun Lab Director/Principal Scientist
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X-Bites Orange
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



Certificate of Analysis

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Batch Date: 2024-09-03
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Test Reg State: Florida

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



National Panel Mycotoxins

Specimen Weight: 585.600 mg

Dilution Factor: 2.560

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Aflatoxin B1	0.093	2.5	5	<LOQ	Aflatoxin G2	0.627	2.5	5	<LOQ
Aflatoxin B2	0.121	2.5	5	<LOQ	Aflatoxin Total		2.5	20	<LOQ
Aflatoxin G1	0.191	2.5	5	<LOQ	Ochratoxin A	0.638	3.5	20	<LOQ

Passed

SOP13.059 (LCMS)



National Panel Heavy Metals

Specimen Weight: 251.800 mg

Dilution Factor: 198.570

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Antimony (Sb)	0.032	1000	120000	<LOQ	Molybdenum (Mo)	0.009	500	300000	<LOQ
Arsenic (As)	0.014	100	200	<LOQ	Nickel (Ni)	0.352	250	20000	<LOQ
Barium (Ba)	0.056	15000	140000	<LOQ	Osmium (Os)	0.003	50	10000	<LOQ
Cadmium (Cd)	0.002	100	500	<LOQ	Palladium (Pd)	0.017	50	10000	<LOQ
Chromium (Cr)	0.052	150	1100000	<LOQ	Platinum (Pt)	0.008	50	10000	<LOQ
Cobalt (Co)	0.003	150	5000	<LOQ	Rhodium (Rh)	0.003	50	10000	<LOQ
Copper (Cu)	0.059	1500	300000	<LOQ	Ruthenium (Ru)	0.002	50	10000	<LOQ
Gold (Au)	0.021	50	10000	<LOQ	Selenium (Se)	4.631	6500	15000	<LOQ
Iridium (Ir)	0.001	50	10000	<LOQ	Silver (Ag)	0.005	350	15000	<LOQ
Lead (Pb)	0.006	250	500	<LOQ	Thallium (Tl)	0.006	400	800	<LOQ
Lithium (Li)	0.301	1250	55000	<LOQ	Tin (Sn)	0.047	3000	600000	<LOQ
Mercury (Hg)	0.014	50	3000	<LOQ	Vanadium (V)	0.038	50	10000	<LOQ

Passed

SOP13.055 (ICP-MS)

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X-Bites Orange
Sample Matrix:
CBD/HEMP
Edibles
(Ingestion)



Certificate of Analysis

Compliance Test

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Batch # XGMY-027
Batch Date: 2024-09-03
Extracted From: Hemp

Test Reg State: Florida

Order # CUR240903-010001
Order Date: 2024-09-03
Sample # AAFX166

Sampling Date: 2024-09-04
Lab Batch Date: 2024-09-04
Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg



National Panel Residual Solvents

Specimen Weight: 59.700 mg

Passed
SOP13.056,SOP13.039 (GCMS)

Dilution Factor: 1.000

Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.03	2	<LOQ	Ethanol	0.025	2500	<LOQ
1,2 Dimethoxyethane	0.025	5	<LOQ	Ethyl Acetate	0.025	400	<LOQ
1,2-Dichloroethane	0.025	2	<LOQ	Ethyl Ether	0.025	500	<LOQ
1,4 Dioxane	0.025	50	<LOQ	Ethylbenzene	0.025	2170	<LOQ
1-Butanol	0.025	5000	<LOQ	Ethylene glycol	0.025	50	<LOQ
1-Pentanol	0.025	5000	<LOQ	Ethylene Oxide	0.025	1	<LOQ
1-Propanol	0.025	5000	<LOQ	Heptane	0.025	500	<LOQ
2,2-dimethylbutane	0.025	290	<LOQ	Hexane	0.025	10	<LOQ
2,3-Butanedione	0.025	1	<LOQ	Isopropyl acetate	0.025	5000	<LOQ
2,3-dimethylbutane	0.025	290	<LOQ	Isopropyl alcohol	0.025	500	<LOQ
2-Butanol	0.025	5000	<LOQ	Methanol	0.025	250	<LOQ
2-Butanone	0.025	5000	<LOQ	Methylene chloride	0.025	1	<LOQ
2-Ethoxyethanol	0.025	50	<LOQ	Methylpropane	0.025	1	<LOQ
2-methylbutane	0.025	5000	<LOQ	N,N-dimethylacetamide	0.025	50	<LOQ
2-Methylpentane	0.025	290	<LOQ	N,N-dimethylformamide	0.025	50	<LOQ
3-Methylpentane	0.025	290	<LOQ	Pentane	0.025	500	<LOQ
Acetone	0.025	500	<LOQ	Propane	0.025	500	<LOQ
Acetonitrile	0.025	50	<LOQ	Pyridine	0.025	50	<LOQ
Benzene	0.025	1	<LOQ	Tetrahydrofuran	0.025	50	<LOQ
Butanes	0.025	800	<LOQ	Tetramethylene sulfone	0.025	160	<LOQ
Chlorobenzene	0.28	50	<LOQ	Toluene	0.025	1	<LOQ
Chloroform	0.025	1	<LOQ	Total Xylenes	0.025	3	<LOQ
Cumene	0.025	50	<LOQ	Trichloroethylene	0.025	1	<LOQ
Dimethyl sulfoxide	0.025	5000	<LOQ				

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X-Bites Orange
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CBD/HEMP
Edibles
(Ingestion)



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Order Date: 2024-09-03
Sample # AAFX166

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Completion Date: 2024-09-11

Initial Gross Weight: 60.078 g

Number of Units: 1
Net Weight per Unit: 50000.000 mg

National Panel Pesticides
Specimen Weight: 585.600 mg

Passed
SOP13.059 (LCMS/GCMS)

Dilution Factor: 2.560

Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Action Level (ppb)	Result (ppb)
Abamectin ¹	0.435	9	300	<LOQ	Hexythiazox ¹	0.045	9.6	2000	<LOQ	Cyantraniliprole ²	0.006004	9.6	10	<LOQ
Acephate ¹	0.467	9.6	3000	<LOQ	Imazail ¹	0.639	9.6	100	<LOQ	Cyprodinil ²	0.001141	9.6	10	<LOQ
Acequinocyl ¹	0.801	9.6	2000	<LOQ	Imidacloprid ¹	0.159	9.6	3000	<LOQ	Dinotefuran ²	0.236975	9.6	50	<LOQ
Acetamiprid ¹	0.080	9.6	3000	<LOQ	Kresoxim Methyl ¹	0.268	9.6	1000	<LOQ	Endosulfan-alpha ²	12.22	30	2500	<LOQ
Aldicarb ¹	0.124	9.6	100	<LOQ	Malathion ¹	0.410	9.6	2000	<LOQ	Endosulfan-beta ²	22.76	30	2500	<LOQ
Azoxystrobin ¹	0.683	9.6	3000	<LOQ	Metalaxyl ¹	0.749	9.6	3000	<LOQ	Etridiazole ²	4.02	9.6	150	<LOQ
Bifenazate ¹	0.121	9.6	3000	<LOQ	Methiocarb ¹	0.099	9.6	100	<LOQ	Fensulfothion ²	0.000794	9.6	10	<LOQ
Bifenthrin ¹	0.082	9.6	500	<LOQ	Methomyl ¹	0.121	9.6	100	<LOQ	Fenthion ²	4.911315	9.6	10	<LOQ
Boscalid ¹	0.153	9.6	3000	<LOQ	methyl-Parathion ¹	3.065	9.6	100	<LOQ	Fluopyram ²	1.12E-9	9.6	10	<LOQ
Captan ¹	8.966	48	3000	<LOQ	Mevinphos ¹	1.370	9.6	100	<LOQ	Iprodione ²	0.105543	9.6	500	<LOQ
Carbaryl ¹	0.118	9.6	500	<LOQ	Myclobutanil ¹	0.571	9.6	3000	<LOQ	Kinoprene ²	3.4	441.6	1250	<LOQ
Carbofuran ¹	0.178	9.6	100	<LOQ	Naled ¹	0.083	9.6	500	<LOQ	Novaluron ²	0.000205	9.6	25	<LOQ
Chlorantraniliprole ¹	0.052	9.6	3000	<LOQ	Oxamyl ¹	0.123	9.6	500	<LOQ	Pirimicarb ²	0.0000566	9.6	10	<LOQ
Chlordane ¹	3.121	9.6	100	<LOQ	Paclobutrazol ¹	0.123	9.6	100	<LOQ	Pyraclostrobin ²	5.31E-7	9.6	10	<LOQ
Chlorfenapyr ¹	0.139	9.6	100	<LOQ	Permethrin ¹	0.718	9.6	1000	<LOQ	Resmethrin ²	0.068013	9.6	50	<LOQ
Chlormequat Chloride ¹	0.783	9.6	3000	<LOQ	Phosmet ¹	0.301	9.6	200	<LOQ	Tebufenozide ²	0.018121	9.6	10	<LOQ
Chlorpyrifos ¹	0.271	9.6	100	<LOQ	Piperonylbutoxide ¹	0.217	9.6	3000	<LOQ	Teflubenzuron ²	0.01662	9.6	25	<LOQ
Clofentezine ¹	0.119	9.6	500	<LOQ	Prallethrin ¹	1.365	9.6	400	<LOQ	Tetrachlorvinphos ²	0.839125	9.6	10	<LOQ
Coumaphos ¹	0.129	9.6	100	<LOQ	Propiconazole ¹	0.259	9.6	1000	<LOQ	Atrazine ³	0.379918	9.6	9.6	<LOQ
Cyfluthrin ¹	7.730	48	1000	<LOQ	Propoxur ¹	0.147	9.6	100	<LOQ	Buprofezin ³	1.66E-9	9.6	9.6	<LOQ
Cypermethrin ¹	0.887	9.6	1000	<LOQ	Pyrethrins ¹	0.256	1.4	1000	<LOQ	Deltamethrin ³	0.492837	9.6	9.6	<LOQ
Daminozide ¹	1.797	9.6	100	<LOQ	Pyridaben ¹	0.059	9.6	3000	<LOQ	Diuron ³	0.006862	9.6	9.6	<LOQ
Diazinon ¹	1.328	9.6	200	<LOQ	Spinetoram ¹	0.346	9.6	3000	<LOQ	Dodemorph ³	6.47E-12	9.6	9.6	<LOQ
Dichlorvos ¹	0.465	9.6	100	<LOQ	Spinosad ¹	0.028	2.39	3000	<LOQ	Endosulfan sulfate ³	0.88376	9.6	2500	<LOQ
Dimethoate ¹	0.366	9.6	100	<LOQ	Spiromesifen ¹	0.291	9.6	3000	<LOQ	Fenvalerate ³	0.597752	9.6	9.6	<LOQ
Dimethomorph ¹	0.272	9.6	3000	<LOQ	Spirotetramat ¹	0.141	9.6	3000	<LOQ	Lambda Cyhalothrin ³	0.116859	9.6	9.6	<LOQ
Ethoprophos ¹	0.192	9.6	100	<LOQ	Spiroxamine ¹	0.119	9.6	100	<LOQ	Methoprene ³	1.148463	9.6	9.6	<LOQ
Etofenprox ¹	0.116	9.6	100	<LOQ	Tebuconazole ¹	1.48E-14	9.6	1000	<LOQ	MGK-264 ³	0.002068	7.4	7.4	<LOQ
Etoxazole ¹	0.570	9.6	1500	<LOQ	Thiacloprid ¹	0.397	9.6	100	<LOQ	Pentachloronitrobenzen (Quintozene)	1.817	9.6	200	<LOQ
Fenhexamid ¹	1.011	9.6	3000	<LOQ	Thiamethoxam ¹	0.104	9.6	1000	<LOQ	Phenothrin ³	0.000000212	9.6	9.6	<LOQ
Fenoxycarb ¹	0.169	9.6	100	<LOQ	Trifloxystrobin ¹	0.088	9.6	3000	<LOQ	Pyriproxyfen ³	0.0000958	9.6	9.6	<LOQ
Fenpyroximate ¹	0.139	9.6	2000	<LOQ	Allethrin ²	0.472436	9.6	100	<LOQ	Spirodiclofen ³	0.373769	9.6	9.6	<LOQ
Fipronil ¹	0.605	9.6	100	<LOQ	Azadirachtin ²	0.003071	9.6	500	<LOQ	Tetramethrin ³	0.0000992	9.6	9.6	<LOQ
Flonicamid ¹	0.128	9.6	2000	<LOQ	Benzovindiflupyr ²	0.012567	9.6	10	<LOQ	Thiabendazole ³	0.001251	9.6	9.6	<LOQ
Fludioxonil ¹	0.521	9.6	3000	<LOQ	Clothianidin ²	0.000399	9.6	25	<LOQ	Thiophanate-methyl ³	0.000223	9.6	9.6	<LOQ

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Definitions are found on page 1

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