

Certificate of Analysis
Compliance Test
Texas

Cotton Mouth Batch #899
Sample Matrix:
HEMP
Extract
Ingestion



Client Information:
Spindletop Brewery
10622 Hirsch Rd.
Houston, Texas 77016

Manufacturing Facility:
Spindletop Brewery
10622 Hirsch Rd.
Houston, Texas 77016
Production Date: 2026-05-06

Order Details:
Test Reg State: Texas
Order # SPI260506-020001
Order Date: 2026-05-06
Sample # AAHQ934
Net Weight per Serving:
355 ml
Servings Per Package: 1

Batch Data:
Batch # 899
Batch Date: 2026-05-06
Extracted From: Hemp
Sampling Date: 2026-05-09
Lab Batch Date: 2026-05-09
Completion Date: 2026-05-18
Expiration Date: 2027-05-18

Food Permits:



Product Image



Staphylococcus Aureus
Passed



Campylobacter
Passed



Microbiology - Yersinia spp
Passed



Potency
Tested



Pesticides
Passed



Heavy Metals
Passed



Residual Solvents
Passed



Pathogenic Microbiology
Passed



Listeria Monocytogenes
Passed



Microbiology Petrifilm
Passed

Potency Summary

Delta 9 THC	0.00325%	Total Active CBD	<LOQ
per Serving	11.5 mg	per Serving	0.00 mg
per Package	11.5 mg	per Package	0.00 mg
Total CBG	0.0000910%	Total CBN	<LOQ
per Serving	0.323 mg	per Serving	0.00 mg
per Package	0.323 mg	per Package	0.00 mg
Total Cannabinoids	0.00334%	Total Active THC	0.00325%
per Serving	11.9 mg	per Serving	11.5 mg
per Package	11.9 mg	per Package	11.5 mg

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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 THC = (THCA + D8thca) * 0.877 + Total (+/-) Delta 9 THC + Total (+/-) Delta-8 THC + delta 7-THCs + Delta4(8)-iso-THC + Delta8-iso-THC + Delta6a10a-THC + Total Delta-10 THC + exo-THC + abnormal cbd, Total THCV = 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, The results apply to the sample as received. * Measurement of Uncertainty for all test panels ±15%

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Net Weight per Serving:
355 ml
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Food Permits:

Potency - State Specific **Tested** SOP13.030 (LCMS)
Specimen Weight: 320000.000 mg

Analyte	LOD (mg/g)	LOQ (%)	Result (µg/ml)	(%)	Per Serving (mg)	Per Package (mg)
Delta-9 THC	0.000013	0.0015	32.5	0.00325	11.5	11.5
CBG	0.000248	0.0015	0.905	0.0000910	0.321	0.321
CBC	0.000018	0.0015	<LOQ	<LOQ	0.00	0.00
CBD	0.000054	0.0015	<LOQ	<LOQ	0.00	0.00
CBDA	0.000001	0.0015	<LOQ	<LOQ	0.00	0.00
CBDV	0.000065	0.0015	<LOQ	<LOQ	0.00	0.00
CBGA	0.000008	0.0015	<LOQ	<LOQ	0.00	0.00
CBN	0.000014	0.0015	<LOQ	<LOQ	0.00	0.00
Delta-8 THC	0.000026	0.0015	<LOQ	<LOQ	0.00	0.00
THCA-A	0.000032	0.0015	<LOQ	<LOQ	0.00	0.00
THCV	0.000007	0.0015	<LOQ	<LOQ	0.00	0.00

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Food Permits:

Staphylococcus Aureus
Specimen Weight: 236.500 mg

Passed
SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte

Staphylococcus aureus

Result

(cfu/g)

Absence

Campylobacter Multi State *
Specimen Weight: 1021.800 mg

Passed
SOP MIC-012 (Immunochromatographic)

Dilution Factor: 1.000

Analyte

Campylobacter spp

Result

(cfu/g)

Absence

Listeria Monocytogenes
Specimen Weight: 1017.700 mg

Passed
SOP13.032 (qPCR)

Dilution Factor: 1.000

Analyte

Listeria Monocytogenes

Absence in 1g

Microbiology- Yersinia spp. Multi State *
Specimen Weight: 507.700 mg

Passed
SOP MIC-013 (Plating/PCR)

Dilution Factor: 1.000

Analyte

Yersinia enterocolitica

Result

(cfu/g)

Absence

Analyte

Yersinia pseudotuberculosis

Result

(cfu/g)

Absence

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Food Permits:

Microbiology Plating Multi State				Passed			
Specimen Weight: 1000.560 mg				SOP13.003 (Petrifilm)			
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 Yeast/Mold	1000	100000	<1000

Pathogenic Microbiology SAE (MicroArray) Multi State						Passed	
Specimen Weight: 1008.300 mg						SOP13.019 (Micro Array)	
Dilution Factor: 1.000							
Analyte	Action Level (cfu/g)	Result (cfu/g)	Analyte	Action Level (cfu/g)	Result (cfu/g)		
E. Coli	1	Absence in 1g	STX1 Gene	1	Absence in 1g		
Salmonella	1	Absence in 1g	STX2 Gene	1	Absence in 1g		
Shiga toxin-producing E. coli (STEC)	1	Absence in 1g					

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Food Permits:

Heavy Metals Multi State - Ingestion

Specimen Weight: 259.400 mg

Dilution Factor: 192.753

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Arsenic (As)	0.0000130	0.1	1.5	<LOQ	Lead (Pb)	0.0000700	0.1	1.0	<LOQ
Cadmium (Cd)	0.00000300	0.1	0.3	<LOQ	Mercury (Hg)	0.0000160	0.1	0.5	<LOQ

Passed

SOP13.048 (ICP-MS)

Residual Solvents Multi State - Ingestion

Specimen Weight: 15.200 mg

Dilution Factor: 1.000

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
1,1-Dichloroethene	0.0094	1.6	8	<LOQ	Heptane	.0013	13.9	5000	<LOQ
1,2-Dichloroethane	0.0003	0.5	2	<LOQ	Hexane	.0678	11.7	250	<LOQ
Acetone	0.0151	20.8	750	<LOQ	Isopropyl alcohol	.0048	13.9	500	<LOQ
Acetonitrile	0.0596	11.7	60	<LOQ	Methanol	.0005	6.9	250	<LOQ
Benzene	0.0002	0.2	1	<LOQ	Methylene chloride	.0029	24.3	125	<LOQ
Butane	.4167	25	5000	<LOQ	Pentane	.0371	20.8	750	<LOQ
Chloroform	0.0001	0.4	2	<LOQ	Propane	.0308	58.3	5000	<LOQ
Ethanol	0.0021	27.8	5000	<LOQ	Toluene	.0009	29.2	150	<LOQ
Ethyl Acetate	0.0012	11.1	400	<LOQ	Total Xylenes	.0001	29.2	150	<LOQ
Ethyl Ether	0.0049	13.9	500	<LOQ	Trichloroethylene	.0014	4.9	25	<LOQ
Ethylene Oxide	.0038	1	5	<LOQ					

Passed

SOP13.039,SOP13.056 (GCMS-
HS,GCMS- (HS))

Pesticides Multi State - Ingestion

Specimen Weight: 580.770 mg

Dilution Factor: 2.580

Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Action Level (ppm)	Result (ppm)
Acetamiprid	0.000140	0.0248	0.2	<LOQ	Fonicamid	0.000466	0.0248	1.0	<LOQ
Aldicarb	0.000203	0.0248	0.4	<LOQ	Imidacloprid	0.000402	0.0248	0.4	<LOQ
Azoxystrobin	0.000188	0.0248	0.2	<LOQ	Metalaxyl	0.000270	0.0248	0.2	<LOQ
Bifenazate	0.0000860	0.0248	0.2	<LOQ	Methiocarb	0.000118	0.0248	0.4	<LOQ
Boscalid	0.000595	0.0248	0.2	<LOQ	Methomyl	0.0000640	0.0248	0.4	<LOQ
Carbaryl	0.000122	0.0248	0.5	<LOQ	methylParathion	0.000820	0.0248	8.5	<LOQ
Carbofuran	0.0000860	0.0248	0.2	<LOQ	Myclobutanil	0.000573	0.0248	0.3	<LOQ
Chlorantraniliprole	0.0000840	0.0248	0.2	<LOQ	Oxamyl	0.0000410	0.0248	1	<LOQ
Chlorpyrifos	0.000109	0.0248	0.6	<LOQ	Permethrins	0.000624	0.0248	1.1	<LOQ
Cypermethrin	0.000985	0.0248	18	<LOQ	Pyridaben	0.000140	0.0248	0.2	<LOQ
Diazinon	0.000212	0.0248	2.6	<LOQ	Spiroxamine	0.000533	0.0248	2	<LOQ
Dichlorvos	0.00113	0.0248	0.1	<LOQ	Tebuconazole	0.000230	0.0248	0.4	<LOQ
Ethoprophos	0.000151	0.0248	0.4	<LOQ	Thiacloprid	0.000170	0.0248	0.2	<LOQ
Etofenprox	0.000172	0.0248	0.4	<LOQ	Thiamethoxam	0.000179	0.0248	0.2	<LOQ
Fipronil	0.000317	0.0248	1.0	<LOQ					

Passed

SOP13.007 (LCMS/GCMS)

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