

Certificate of Analysis
Compliance Test
Texas

Zombie Zen Batch #898
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: 2026-05-05

Order Details:
Test Reg State: Texas
Order # SPI260506-020001
Order Date: 2026-05-06
Sample # AAHQ935
Net Weight per Serving:
355 ml
Servings Per Package: 1

Batch Data:
Batch # 898
Batch Date: 2026-05-05
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	0.00294%	Total Active CBD	<LOQ
per Serving	10.4 mg	per Serving	0.00 mg
per Package	10.4 mg	per Package	0.00 mg
Total CBG	0.0000820%	Total CBN	<LOQ
per Serving	0.291 mg	per Serving	0.00 mg
per Package	0.291 mg	per Package	0.00 mg
Total Cannabinoids	0.00302%	Total Active THC	0.00294%
per Serving	10.7 mg	per Serving	10.4 mg
per Package	10.7 mg	per Package	10.4 mg

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 8 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%

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.

Certificate of Analysis
Compliance Test
Texas

Zombie Zen Batch #898
Sample Matrix:
HEMP
Extract
Ingestion



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

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

Order Details:
Test Reg State: Texas
Order # SPI260506-020001
Order Date: 2026-05-06
Sample # AAHQ935
Net Weight per Serving:
355 ml
Servings Per Package: 1

Batch Data:
Batch # 898
Batch Date: 2026-05-05
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:

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	29.4	0.00294	10.4	10.4
CBG	0.000248	0.0015	0.816	0.000820	0.290	0.290
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

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

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis

Compliance Test

Texas

Zombie Zen Batch #898
Sample Matrix:
HEMP
Extract
Ingestion



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

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

Order Details:
Test Reg State: Texas
Order # SPI260506-020001
Order Date: 2026-05-06
Sample # AAHQ935
Net Weight per Serving:
355 ml
Servings Per Package: 1

Batch Data:
Batch # 898
Batch Date: 2026-05-05
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:

Staphylococcus Aureus
Specimen Weight: 243.800 mg

Passed
SOP13.029 (qPCR)

Dilution Factor: 1.000

Analyte

Staphylococcus aureus

Result

(cfu/g)

Absence

Campylobacter Multi State *
Specimen Weight: 1002.100 mg

Passed
SOP MIC-012 (Immunochromatographic)

Dilution Factor: 1.000

Analyte

Campylobacter spp

Result

(cfu/g)

Absence

Listeria Monocytogenes
Specimen Weight: 1027.800 mg

Passed
SOP13.032 (qPCR)

Dilution Factor: 1.000

Analyte

Listeria Monocytogenes

Absence in 1g

Microbiology- Yersinia spp. Multi State *
Specimen Weight: 503.100 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

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



Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis
Compliance Test
Texas

Zombie Zen Batch #898
Sample Matrix:
HEMP
Extract
Ingestion



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

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

Order Details:
Test Reg State: Texas
Order # SPI260506-020001
Order Date: 2026-05-06
Sample # AAHQ935
Net Weight per Serving:
355 ml
Servings Per Package: 1

Batch Data:
Batch # 898
Batch Date: 2026-05-05
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:

Microbiology Plating Multi State				Passed			
Specimen Weight: 1002.970 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: 1046.500 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					

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

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.



Certificate of Analysis
Compliance Test
Texas

Zombie Zen Batch #898
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: 2026-05-05

Order Details:
Test Reg State: Texas
Order # SPI260506-020001
Order Date: 2026-05-06
Sample # AAHQ935
Net Weight per Serving:
355 ml
Servings Per Package: 1

Batch Data:
Batch # 898
Batch Date: 2026-05-05
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:

Heavy Metals Multi State - Ingestion
Specimen Weight: 255.700 mg

Passed
SOP13.048 (ICP-MS)

Dilution Factor: 195.542

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)	0.00000700	0.1	1.0	<LOQ
Cadmium (Cd)	0.00000300	0.1	0.3	<LOQ	Mercury (Hg)	0.0000160	0.1	0.5	<LOQ

Residual Solvents Multi State - Ingestion
Specimen Weight: 4.900 mg

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

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					

Pesticides Multi State - Ingestion
Specimen Weight: 586.590 mg

Passed
SOP13.007 (LCMS/GCMS)

Dilution Factor: 2.560

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	methyl-Parathion	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					

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

Definitions are found on page 1

This report shall not be reproduced, without written approval, from ACS Laboratory. The results of this report relate only to the material or product analyzed. Test results are confidential unless explicitly waived otherwise. ACS Laboratory is accredited to the ISO/IEC 17025:2017 Standard. The tests and/or calibrations marked with an "*" are not ISO/IEC 17025:2017 accredited test results.

