



## Certificate of Analysis

Compliance Test

### Client Information:

**Spindletop Brewery**  
10622 Hirsch Rd.  
Houston, Texas 77016

Batch # 815  
Batch Date: 2025-02-26  
Extracted From: Hemp

Test Reg State: Louisiana

Production Facility: Spindletop Brewery  
Production Date: 2025-02-26

Order # SPI250226-020001  
Order Date: 2025-02-26  
Sample # AAGL188

Sampling Date: 2025-02-28  
Lab Batch Date: 2025-02-28  
Completion Date: 2025-03-05

Volume: 355 ml  
Serving Number: 1.00000

Number of Units: 1  
Net Weight per Package: 369500.000 mg



Product Image



**Potency**  
Tested



**Heavy Metals**  
Passed



**Pesticides**  
Passed



**Residual Solvents**  
Passed



**Pathogenic**  
Passed



Microbiology Petrifilm  
Passed



### Delta 8/Delta 10 Potency 13 - (LCUV)

Specimen Weight: 20000.000 mg

### Tested

SOP13.001 (LCMS)

| Analyte          | LOD<br>(mg/g) | LOQ<br>(%) | Result<br>(µg/ml) | (%)      |
|------------------|---------------|------------|-------------------|----------|
| Delta-9 THC      | 1.30E-5       | 0.0015     | 25.850            | 0.002585 |
| CBC              | 1.80E-5       | 0.0015     | <LOQ              | <LOQ     |
| CBD              | 5.40E-5       | 0.0015     | <LOQ              | <LOQ     |
| CBDA             | 1.00E-5       | 0.0015     | <LOQ              | <LOQ     |
| CBDV             | 6.50E-5       | 0.0015     | <LOQ              | <LOQ     |
| CBG              | 2.48E-4       | 0.0015     | <LOQ              | <LOQ     |
| CBGA             | 8.00E-5       | 0.0015     | <LOQ              | <LOQ     |
| CBN              | 1.40E-5       | 0.0015     | <LOQ              | <LOQ     |
| Delta-10 THC     | 3.00E-6       | 0.0015     | <LOQ              | <LOQ     |
| Delta-8 THC      | 2.60E-5       | 0.0015     | <LOQ              | <LOQ     |
| Delta6a10a-THC   | 8.47E-5       | 0.0015     | <LOQ              | <LOQ     |
| THCA-A           | 3.20E-5       | 0.0015     | <LOQ              | <LOQ     |
| THCV             | 7.00E-6       | 0.0015     | <LOQ              | <LOQ     |
| Total Active CBD |               |            | <LOQ              | <LOQ     |
| Total Active THC |               |            | 0.026             | 0.002585 |



### Potency Summary

|                                                     |                                                  |
|-----------------------------------------------------|--------------------------------------------------|
| Total Delta 8 per Serving<br>ND                     | Total Delta 10 per Serving<br>ND                 |
| Delta 9 THC per Serving<br>0.00259% 9.195mg         | Total Active CBD per Serving<br>ND               |
| Total CBG per Serving<br>ND                         | Total CBN per Serving<br>ND                      |
| Total Cannabinoids per Serving<br>0.002585% 9.177mg | Total Active CBD Per Package<br>ND               |
| Total Active THC per Serving<br>0.00259% 9.195mg    | Total Active THC Per Package<br>0.00259% 9.195mg |
| Delta 9 THC per Package<br>0.00259% 9.195mg         |                                                  |

*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 Delta-9 THC = Delta-9 THC + THCA, Total Active THC = Total Delta-9 THC + Delta6a10a-THC + Delta-8 THC + Delta-10 THC + Delta-8 THC-O-Acetate + THC-O-Acetate + Delta-10 THC-O-Acetate, Total THCV = THCV + (THCVA \* 0.877), 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), (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 LA rule R.S., 40:4(A)(13), R.S. 3:1483, R.S. 40:604. Failed - Analyte/microbe is at the level that equal or above the action limit per LA rule R.S., 40:4(A)(13), R.S. 3:1483, R.S. 40:604 The results apply to the sample as received.

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**Client Information:**

**Spindletap Brewery**  
10622 Hirsch Rd.  
Houston, Texas 77016

Batch # 815  
Batch Date: 2025-02-26  
Extracted From: Hemp

Test Reg State: Louisiana

Production Facility: Spindletap Brewery  
Production Date: 2025-02-26

Order # SPI250226-020001  
Order Date: 2025-02-26  
Sample # AAGL188

Sampling Date: 2025-02-28  
Lab Batch Date: 2025-02-28  
Completion Date: 2025-03-05

Volume: 355 ml  
Net Weight per Serving: 355 mg

Number of Units: 1  
Net Weight per Package: 369500.000 mg  
Serving Number: 1.00000



**Microbiology TYM (Petrifilm/Plating) - LA**  
Specimen Weight: 990.200 mg

**Passed**  
SOP13.003 (Petrifilm)

| Analyte    | LOQ<br>(cfu/g) | Action Level<br>(cfu/g) |
|------------|----------------|-------------------------|
| Yeast/Mold | 10000          | 10000                   |

Result  
(cfu/g)  
**<10000**



**Pathogenic SE (qPCR)**

Specimen Weight: 1007.500 mg

**Passed**

SOP13.029  
(qPCR)

Dilution Factor: 1.000

| Analyte | Result<br>(cfu/g)    | Analyte    | Result<br>(cfu/g)    |
|---------|----------------------|------------|----------------------|
| E.Coli  | <b>Absence in 1g</b> | Salmonella | <b>Absence in 1g</b> |

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

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Sample # AAGL188

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Volume: 355 ml  
Net Weight per Serving: 355 mg

Number of Units: 1  
Net Weight per Package: 369500.000 mg  
Serving Number: 1.00000



**Heavy Metals - LA**

Specimen Weight: 246.950 mg

**Passed**

SOP13.048 (ICP-MS)

Dilution Factor: 202.470

| Analyte      | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte      | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|--------------|-----------|-----------|--------------------|--------------|--------------|-----------|-----------|--------------------|--------------|
| Arsenic (As) | .00483    | 0.1       | 10                 | <LOQ         | Lead (Pb)    | 0.0058    | 0.1       | 10                 | <LOQ         |
| Cadmium (Cd) | .00064    | 0.1       | 4.1                | <LOQ         | Mercury (Hg) | .01176    | 0.1       | 2                  | <LOQ         |



**Residual Solvents - LA (CBD)**

Specimen Weight: 19.200 mg

**Passed**

SOP13.039 (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    | 0.16      | 8                  | <LOQ         | Heptane            | 0.0013    | 1.39      | 500                | <LOQ         |
| 1,2-Dichloroethane | 0.0003    | 0.04      | 5                  | <LOQ         | Hexane             | 0.068     | 1.17      | 10                 | <LOQ         |
| Acetone            | 0.015     | 2.08      | 5000               | <LOQ         | Isopropyl alcohol  | 0.0048    | 1.39      | 500                | <LOQ         |
| Acetonitrile       | 0.06      | 1.17      | 410                | <LOQ         | Methanol           | 0.0005    | 0.69      | 3000               | <LOQ         |
| Benzene            | 0.0002    | 0.02      | 1                  | <LOQ         | Methylene chloride | 0.0029    | 2.43      | 600                | <LOQ         |
| Butanes            | 0.4167    | 2.5       | 800                | <LOQ         | Pentane            | 0.037     | 2.08      | 5000               | <LOQ         |
| Chloroform         | 0.0001    | 0.04      | 60                 | <LOQ         | Propane            | 0.031     | 5.83      | 2100               | <LOQ         |
| Ethanol            | 0.0021    | 2.78      | 5000               | <LOQ         | Toluene            | 0.0009    | 2.92      | 1                  | <LOQ         |
| Ethyl Acetate      | 0.0012    | 1.11      | 5000               | <LOQ         | Total Xylenes      | 0.0001    | 2.92      | 1                  | <LOQ         |
| Ethyl Ether        | 0.0049    | 1.39      | 5000               | <LOQ         | Trichloroethylene  | 0.0014    | 0.49      | 80                 | <LOQ         |
| Ethylene Oxide     | 0.0038    | 0.1       | 5                  | <LOQ         |                    |           |           |                    |              |

*Aixia Sun*

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

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Sampling Date: 2025-02-28  
Lab Batch Date: 2025-02-28  
Completion Date: 2025-03-05

Volume: 355 ml  
Net Weight per Serving: 355 mg

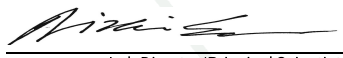
Number of Units: 1  
Net Weight per Package: 369500.000 mg  
Serving Number: 1.00000

**Pesticides - LA**  
Specimen Weight: 588.050 mg

**Passed**  
SOP13.007 (LCMS)

Dilution Factor: 2.550

| Analyte             | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) | Analyte                             | LOD (ppm) | LOQ (ppm) | Action Level (ppm) | Result (ppm) |
|---------------------|-----------|-----------|--------------------|--------------|-------------------------------------|-----------|-----------|--------------------|--------------|
| Abamectin           | 4.3500E-4 | 0.009     | 0.3                | <LOQ         | Hexythiazox                         | 4.5000E-5 | 0.0096    | 2                  | <LOQ         |
| Acephate            | 4.6700E-4 | 0.0096    | 5                  | <LOQ         | Imazalil                            | 6.3900E-4 | 0.0096    | 0                  | <LOQ         |
| Acequinocyl         | 8.0100E-4 | 0.0096    | 4                  | <LOQ         | Imidacloprid                        | 1.5900E-4 | 0.0096    | 3                  | <LOQ         |
| Acetamiprid         | 8.0000E-5 | 0.0096    | 5                  | <LOQ         | Kresoxim Methyl                     | 2.6800E-4 | 0.0096    | 1                  | <LOQ         |
| Aldicarb            | 1.2400E-4 | 0.0096    | 0                  | <LOQ         | Malathion                           | 4.1000E-4 | 0.0096    | 5                  | <LOQ         |
| Azoxystrobin        | 6.8300E-4 | 0.0096    | 40                 | <LOQ         | Metalaxyl                           | 7.4900E-4 | 0.0096    | 15                 | <LOQ         |
| Bifenazate          | 8.2000E-5 | 0.0096    | 5                  | <LOQ         | Methiocarb                          | 9.9000E-5 | 0.0096    | 0                  | <LOQ         |
| Bifenthrin          | 1.2100E-4 | 0.0096    | 0.5                | <LOQ         | Methomyl                            | 1.2100E-4 | 0.0096    | 0.1                | <LOQ         |
| Boscalid            | 1.5300E-4 | 0.0096    | 10                 | <LOQ         | methyl-Parathion                    | 3.0650E-3 | 0.0096    | 0                  | <LOQ         |
| Captan              | 8.9660E-3 | 0.048     | 5                  | <LOQ         | Mevinphos                           | 1.3700E-3 | 0.0096    | 0                  | <LOQ         |
| Carbaryl            | 1.1800E-4 | 0.0096    | 0.5                | <LOQ         | Myclobutanil                        | 5.7100E-4 | 0.0096    | 9                  | <LOQ         |
| Carbofuran          | 1.7800E-4 | 0.0096    | 0                  | <LOQ         | Naled                               | 8.3000E-5 | 0.0096    | 0.5                | <LOQ         |
| Chlorantraniliprole | 5.2000E-5 | 0.0096    | 40                 | <LOQ         | Oxamyl                              | 1.2300E-4 | 0.0096    | 0.2                | <LOQ         |
| Chlorfenapyr        | 3.1210E-3 | 0.0096    | 0.1                | <LOQ         | Paclobutrazol                       | 1.2300E-4 | 0.0096    | 0                  | <LOQ         |
| Chlorpyrifos        | 2.7100E-4 | 0.0096    | 0                  | <LOQ         | Pentachloronitrobenzen (Quintozene) | 5.1400E-3 | 0.0096    | 0.2                | <LOQ         |
| Clofentezine        | 1.1900E-4 | 0.0096    | 0.5                | <LOQ         | Permethrin                          | 7.1800E-4 | 0.0096    | 20                 | <LOQ         |
| Coumaphos           | 1.2900E-4 | 0.0096    | 0                  | <LOQ         | Phosmet                             | 3.0100E-4 | 0.0096    | 0.2                | <LOQ         |
| Cyfluthrin          | 7.7300E-3 | 0.048     | 1                  | <LOQ         | Piperonylbutoxide                   | 2.1700E-4 | 0.0096    | 8                  | <LOQ         |
| Cypermethrin        | 8.8700E-4 | 0.0096    | 1                  | <LOQ         | Prallethrin                         | 1.3650E-3 | 0.0096    | 0.4                | <LOQ         |
| Daminozide          | 1.7970E-3 | 0.0096    | 0                  | <LOQ         | Propiconazole                       | 2.5900E-4 | 0.0096    | 20                 | <LOQ         |
| Diazinon            | 1.3280E-3 | 0.0096    | 0.2                | <LOQ         | Propoxur                            | 1.4700E-4 | 0.0096    | 0                  | <LOQ         |
| Dichlorvos          | 4.6500E-4 | 0.0096    | 0                  | <LOQ         | Pyrethrins                          | 2.5600E-4 | 0.0014    | 1                  | <LOQ         |
| Dimethoate          | 3.6600E-4 | 0.0096    | 0                  | <LOQ         | Pyridaben                           | 5.9000E-5 | 0.0096    | 3                  | <LOQ         |
| Dimethomorph        | 2.7200E-4 | 0.0096    | 20                 | <LOQ         | Spinetoram                          | 3.4600E-4 | 0.0096    | 3                  | <LOQ         |
| Ethoprophos         | 1.9200E-4 | 0.0096    | 0                  | <LOQ         | Spinosad                            | 2.8000E-5 | 0.00239   | 3                  | <LOQ         |
| Etofenprox          | 1.1600E-4 | 0.0096    | 0                  | <LOQ         | Spiromesifen                        | 2.9100E-4 | 0.0096    | 12                 | <LOQ         |
| Etoxazole           | 5.7000E-4 | 0.0096    | 1.5                | <LOQ         | Spirotetramat                       | 1.4100E-4 | 0.0096    | 13                 | <LOQ         |
| Fenhexamid          | 1.0110E-3 | 0.0096    | 10                 | <LOQ         | Spiroxamine                         | 1.1900E-4 | 0.0096    | 0                  | <LOQ         |
| Fenoxycarb          | 1.6900E-4 | 0.0096    | 0                  | <LOQ         | Tebuconazole                        | 1.3400E-4 | 0.0096    | 2                  | <LOQ         |
| Fenpyroximate       | 1.3900E-4 | 0.0096    | 2                  | <LOQ         | Thiacloprid                         | 3.9700E-4 | 0.0096    | 0                  | <LOQ         |
| Fipronil            | 6.0500E-4 | 0.0096    | 0.1                | <LOQ         | Thiamethoxam                        | 1.0400E-4 | 0.0096    | 4.5                | <LOQ         |
| Flonicamid          | 1.2800E-4 | 0.0096    | 2                  | <LOQ         | Trifloxystrobin                     | 8.8000E-5 | 0.0096    | 30                 | <LOQ         |
| Fludioxonil         | 5.2100E-4 | 0.0096    | 30                 | <LOQ         |                                     |           |           |                    |              |

  
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