

## ANALYZED BY:

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

## CUSTOMER:

Summit Brewing Company  
910 Montreal Circle  
St. Paul, MN 55102



## SAMPLE INFORMATION

**Sample No.:** 1344059  
**Product Name:** Tripleswitch Velvet Echo Stout  
**Matrix:** Edible (Carbonated Beverage)  
**Lot #:** BA3586  
**PO #:** 097-0922

**Date Collected:** 09/29/2025  
**Date Received:** 10/01/2025  
**Date Reported:** 10/08/2025

## TEST SUMMARY

**Cannabinoid Profile:** ✔ Pass  
**Pesticide Residue Screen:** ✔ Pass  
**Heavy Metal Screen:** ✔ Pass

**Microbiological Screen:** ✔ Pass  
**Residual Solvent Screen:** ✔ Pass  
**Mycotoxins - Minnesota:** ✔ Pass

## Cannabinoid Profile ✔ Pass

10/03/2025

**Method:** MF-CHEM-15  
**Instrument:** Liquid Chromatography Diode Array Detector (LC-DAD)  
**Limit of Detection** 0.0008 mg/g  
**Limit of Quantitation** 0.0025 mg/g

| Cannabinoid                   | mg/g     | %       | mg/ml  | mg/serving | mg/package | Labeled mg/serving | % Difference | Status |
|-------------------------------|----------|---------|--------|------------|------------|--------------------|--------------|--------|
| Δ8-THC                        | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| Δ9-THC                        | 0.0282   | 0.00282 | 0.0287 | 10.18      | 10.18      | 10                 | 1.81         | Pass   |
| Δ9-THCA                       | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| THCV                          | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| THCVA                         | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBD                           | 0.0297   | 0.00297 | 0.0302 | 10.72      | 10.72      | 10                 | 7.23         | -      |
| CBDA                          | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBC                           | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBCA                          | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBDV                          | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBG                           | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBGA                          | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBN                           | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| Total THC                     | 0.0282   | 0.00282 | 0.0287 | 10.18      | 10.18      | -                  | -            | -      |
| Total CBD                     | 0.0297   | 0.00297 | 0.0302 | 10.72      | 10.72      | -                  | -            | -      |
| Total Cannabinoids            | 0.0579   | 0.00579 | 0.0589 | 20.90      | 20.90      | -                  | -            | -      |
| Sum of Cannabinoids           | 0.0579   | 0.00579 | 0.0589 | 20.90      | 20.90      | -                  | -            | -      |
| <b>Serving Weight (g)</b>     | 361.0350 |         |        |            |            |                    |              |        |
| <b>Package Weight (g)</b>     | 361.035  |         |        |            |            |                    |              |        |
| <b>g/ml Conversion Factor</b> | 1.0170   |         |        |            |            |                    |              |        |

Total THC = Δ8-THC + Δ9-THC + (0.877 \* THCA)  
Total CBD = CBD + (0.877 \* CBDA)  
Total Cannabinoids = Σ (neutral cannabinoids) + [0.877 \* Σ (acidic cannabinoids)]

## Microbiological Screen ✔ Pass

10/07/2025

| Analyte              | Findings | Units | Method           | Limit        | Status |
|----------------------|----------|-------|------------------|--------------|--------|
| Standard Plate Count | 0/10     | cfu/g | FDA BAM          | <100,000     | Pass   |
| Total Yeast & Mold   | 0/10     | cfu/g | FDA BAM          | <1,000       | Pass   |
| Bile Tolerant        | <1       | cfu/g | AOAC 2003.01     | <150         | Pass   |
| E. coli              | ND       | /1g   | FDA BAM Modified | Absent in 1g | Pass   |
| E. coli STEC         | ND       | /25g  | Neogen MDS STEC  | Absent in 1g | Pass   |
| L. monocytogenes     | ND       | /25g  | AOAC 2016.07     | Absent in 1g | Pass   |
| Salmonella           | ND       | /25g  | AOAC 2016.01     | Absent in 1g | Pass   |

**Pesticide Residue Screen** ✔ Pass

10/08/2025

**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             | 0.017/0.05    | 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   |
| Carbofuran              | 0.017/0.05    | ND             | 0.017       | Pass   |
| Chlorantraniliprole     | 0.02/0.06     | ND             | 40.0        | Pass   |
| Chlordane               | 0.02/0.06     | ND             | 0.02        | Pass   |
| Chlorfenapyr            | 0.02/0.06     | 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              | 0.017/0.05    | ND             | 0.017       | Pass   |
| DDVP (Dichlorvos)       | 0.013/0.04    | ND             | 0.013       | Pass   |
| Diazinon                | 0.017/0.05    | ND             | 0.2         | Pass   |
| Dimethoate              | 0.017/0.05    | ND             | 0.017       | Pass   |
| Dimethomorph            | 0.017/0.05    | 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              | 0.017/0.05    | 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               | 0.017/0.05    | ND             | 5.0         | Pass   |
| Metalaxyl               | 0.017/0.05    | ND             | 15.0        | Pass   |
| Methiocarb              | 0.02/0.06     | ND             | 0.02        | Pass   |
| Methomyl                | 0.013/0.04    | 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                   | 0.017/0.05    | ND             | 0.5         | Pass   |
| Oxamyl                  | 0.013/0.04    | ND             | 0.2         | Pass   |
| Paclobutrazol           | 0.02/0.06     | ND             | 0.02        | Pass   |
| Pentachloronitrobenzene | 0.017/0.05    | 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                | 0.013/0.04    | ND             | 0.013       | Pass   |
| Pyrethrins              | 0.15/0.50     | ND             | 1.0         | Pass   |
| Pyridaben               | 0.017/0.05    | 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             | 0.017/0.05    | ND             | 0.017       | Pass   |
| Tebuconazole            | 0.02/0.06     | ND             | 2.0         | Pass   |
| Thiacloprid             | 0.013/0.04    | ND             | 0.013       | Pass   |
| Thiamethoxam            | 0.02/0.06     | ND             | 4.5         | Pass   |

| Analyte         | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|-----------------|---------------|----------------|-------------|--------|
| Trifloxystrobin | 0.02/0.06     | ND             | 30.0        | Pass   |

## Residual Solvent Screen ✓ Pass

10/07/2025

**Method:** MF-CHEM-32

**Instrument:** Gas Chromatography Mass Spectrometry (GC/MS)

| Analyte                              | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|--------------------------------------|---------------|----------------|-------------|--------|
| Benzene                              | 0.2/0.5       | ND             | 2           | Pass   |
| n-Butane                             | 67/200        | ND             | 5000        | Pass   |
| Ethanol                              | 67/200        | ND             | 5000        | Pass   |
| n-Heptane                            | 67/200        | ND             | 5000        | Pass   |
| n-Hexane                             | 67/200        | ND             | 290         | Pass   |
| n-Pentane                            | 67/200        | ND             | 3000        | Pass   |
| Propane                              | 67/200        | ND             | 5000        | Pass   |
| Toluene                              | 67/200        | ND             | 890         | Pass   |
| Total xylenes (ortho-, meta-, para-) | 67/200        | ND             | 2170        | Pass   |

## Heavy Metal Screen ✓ Pass

10/07/2025

**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 | 0.003/0.05     | ND              | 1.5          | Pass   |
| Cadmium | 0.008/0.05     | ND              | 0.5          | Pass   |
| Mercury | 0.002/0.05     | ND              | 3            | Pass   |
| Lead    | 0.01/0.125     | ND              | 0.5          | Pass   |

## Mycotoxins - Minnesota ✓ Pass

10/08/2025

**Method:** MF-CHEM-13

**Instrument:** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

| Analyte          | LOD/LOQ | Findings | Limit | Status |
|------------------|---------|----------|-------|--------|
| Aflatoxin B1     | 2/5     | ND       | 5     | Pass   |
| Aflatoxin B2     | 2/5     | ND       | -     | -      |
| Aflatoxin G1     | 2/5     | ND       | -     | -      |
| Aflatoxin G2     | 2/5     | ND       | -     | -      |
| Ochratoxin A     | 6/18    | ND       | -     | -      |
| Total Mycotoxins | -       | ND       | 20    | Pass   |

ND = None Detected  
 LOD = Limit of Detection  
 LOQ = Limit of Quantitation

Reported by




Vu Lam  
 Lab Co Director



Scan to verify