

**ANALYZED BY:**

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

**CUSTOMER:**

Surly Brewing Company  
4811 Dusharme Dr  
Brooklyn Center, MN 55429



**SAMPLE INFORMATION**

**Sample No.:** 1266681  
**Product Name:** Surly Brewing Double Take Tea Lemonade  
**Matrix:** Edible (Beverage)  
**Lot #:** T0045 24354

**Date Collected:** 12/23/2024  
**Date Received:** 12/23/2024  
**Date Reported:** 12/27/2024

**TEST SUMMARY**

**Cannabinoid Profile:** ✔ Pass      **Microbiological Screen:** ✔ Pass  
**Pesticide Residue Screen:** ✔ Pass      **Residual Solvent Screen:** ✔ Pass  
**Heavy Metal Screen:** ✔ Pass      **Foreign Material:** ✔ Pass  
**Mycotoxin Screen:** ✔ Pass

**Cannabinoid Profile** ✔ Pass

12/27/2024

**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                        | 0.0213   | 0.00213 | 0.0216 | 5.10       | 10.21      | 5                  | 2.09         | Pass   |
| Δ9-THCA                       | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| THCV                          | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| THCVA                         | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| CBD                           | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| 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                     | 0.0213   | 0.00213 | 0.0216 | 5.10       | 10.21      | -                  | -            | -      |
| Total CBD                     | ND       | ND      | ND     | ND         | ND         | -                  | -            | -      |
| Total Cannabinoids            | 0.0213   | 0.00213 | 0.0216 | 5.10       | 10.21      | -                  | -            | -      |
| Sum of Cannabinoids           | 0.0213   | 0.00213 | 0.0216 | 5.10       | 10.21      | -                  | -            | -      |
| <b>Serving Weight (g)</b>     | 239.6455 |         |        |            |            |                    |              |        |
| <b>Package Weight (g)</b>     | 479.291  |         |        |            |            |                    |              |        |
| <b>g/ml Conversion Factor</b> | 1.0133   |         |        |            |            |                    |              |        |

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

12/27/2024

| Analyte    | Method      | Findings         | Units | Status |
|------------|-------------|------------------|-------|--------|
| Salmonella | MF-MICRO-11 | Not Detected/25g | /1g   | Pass   |
| STEC       | MF-MICRO-18 | Not Detected/25g | /1g   | Pass   |

**Pesticide Residue Screen** ✔ Pass

12/27/2024

**Method:** MF-CHEM-13  
**Instrument:** Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS) & Gas Chromatography Tandem Mass Spectrometry (GC-MS/MS)

| Analyte     | LOD/LOQ (µg/g) | Findings (µg/g) | Limit (µg/g) | 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   |

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

**Residual Solvent Screen** ✔ Pass

12/27/2024

**Method:** MF-CHEM-32

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

| Analyte                              | LOD/LOQ (ppm) | Findings (ppm) | Limit (ppm) | Status |
|--------------------------------------|---------------|----------------|-------------|--------|
| 1,2-Dichloroethane                   | 0.5/0.5       | ND             | 1           | Pass   |
| Acetone                              | 57/200        | ND             | 5000        | Pass   |
| Acetonitrile                         | 56/200        | ND             | 410         | Pass   |
| Benzene                              | 0.5/0.5       | ND             | 1           | Pass   |
| n-Butane                             | 45/200        | ND             | 5000        | Pass   |
| Chloroform                           | 0.5/0.5       | ND             | 1           | Pass   |
| Ethanol                              | 37/200        | 1200.00        | 5000        | Pass   |
| Ethyl acetate                        | 38/200        | ND             | 5000        | Pass   |
| Ethyl ether                          | 37/200        | ND             | 5000        | Pass   |
| Ethylene oxide                       | 0.1/0.5       | ND             | 1           | Pass   |
| n-Heptane                            | 135/200       | ND             | 5000        | Pass   |
| n-Hexane                             | 49/200        | ND             | 290         | Pass   |
| Isopropyl alcohol                    | 57/200        | ND             | 5000        | Pass   |
| Methanol                             | 37/200        | ND             | 3000        | Pass   |
| Methylene chloride                   | 0.1/0.5       | ND             | 1           | Pass   |
| n-Pentane                            | 37/200        | ND             | 5000        | Pass   |
| Propane                              | 72/200        | ND             | 5000        | Pass   |
| Toluene                              | 49/200        | ND             | 890         | Pass   |
| Total xylenes (ortho-, meta-, para-) | 58/200        | ND             | 2170        | Pass   |
| Trichloroethylene                    | 0.5/0.5       | ND             | 1           | Pass   |

**Heavy Metal Screen** ✔ Pass

12/27/2024

**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 | 0.02/0.05      | ND              | 1.5          | Pass   |
| Cadmium | 0.02/0.05      | ND              | 0.5          | Pass   |
| Mercury | 0.02/0.05      | ND              | 3            | Pass   |
| Lead    | 0.02/0.125     | ND              | 0.5          | Pass   |

**Foreign Material** ✔ Pass

12/27/2024

**Method:** MF-CHEM-7

| Analyte                        | Findings | Limit    | Status |
|--------------------------------|----------|----------|--------|
| Sand, Soils, Cinders, and Dirt | ND       | 25%      | Pass   |
| Mold                           | ND       | 25%      | Pass   |
| Imbedded Foreign Material      | ND       | 25%      | Pass   |
| Insect Fragment                | ND       | 1 per 3g | Pass   |
| Hair                           | ND       | 1 per 3g | Pass   |
| Mammalian Excreta              | ND       | 1 per 3g | Pass   |

**Mycotoxin Screen** ✔ Pass

12/27/2024

**Method:** MF-CHEM-13

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

| Analyte          | LOD/LOQ (µg/kg) | Findings (µg/kg) | Limit (µg/kg) | Status |
|------------------|-----------------|------------------|---------------|--------|
| Aflatoxin B1     | 2/5             | ND               | -             | -      |
| Aflatoxin B2     | 2/5             | ND               | -             | -      |
| Aflatoxin G1     | 2/5             | ND               | -             | -      |
| Aflatoxin G2     | 2/5             | ND               | -             | -      |
| Total Aflatoxins | 8/20            | ND               | 20            | Pass   |
| Ochratoxin A     | 6/18            | ND               | 20            | Pass   |

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

Reported by



Vu Lam  
Lab Co Director



Scan to verify