Ensure beer flavor, stability, longevity and more by utilizing Gusmer’s Analytical Services for the Brewing Industry. Gusmer offers a variety of tests and testing panels, as well as industry expertise and educated recommendations to assist in your brewing process. All tests are performed on site at Gusmer’s well equipped Napa, CA laboratory using the latest techniques and technology.

**ACCURATE**
Testing is based on the standards set by the American Society of Brewing Chemists (ASBC). Lab accuracy is checked through the International Check Sample Service, provided by the ASBC. Gusmer also has TTB certified chemists on staff to perform the required analysis for your exports.

**QUICK**
Typical analysis turnaround is 24 - 48 hours. Expedited service is available for a fee.

**RELIABLE**
Gusmer’s longstanding reputation in the industry has shaped this analytical services program for brewing. Gusmer staffs versed technical brewers and has over 85 years of participation in the brewing industry.

*If you have questions regarding samples for analysis or sampling procedures, please telephone the lab at 707.224.7903, extension 106 or 109. The minimum analysis charge is $25. Discounts are available for 5 or more samples of the same test. Please note that all samples for analysis must be sent to the Napa facility (640 Airpark Road, Suite D, Napa, CA 94558).*

**BEER PANELS**

**Basic Beer Panel:**
- Extracts, alcohol, pH, color, bittering units
- Cost: $45 / sample
- Volume: 24 oz

**Finished Beer Panel:**
- Extracts, alcohol, pH, color, bittering units, CO₂, air, yeast / mold / bacteria (UBA, MRS)
- Cost: $60 / sample
- Volume: 24 oz

**Stability Panel (Chill Haze):**
- Tannin and protein content, stability recommendation
- Cost: $35 / sample
- Volume: 24 oz

**Filterability Panel:**
- Pre and post NTU readings, filter sheet recommendation
- Cost: $60 / single sheet test; $100 / multi-sheet test
- Volume: 2 gallons (additional samples needed for multi-sheet test)

**Membrane Filterability Panel:**
- Clogging index value to determine if beer is ready for sterile filtration
- Cost: $40 / test
- Volume: 36 oz
- Note: should not be done more than 5 days prior to sterile filtration / bottling
MICROBIOLOGICAL TESTS

**Microscopic Exam**
scan for microbes and debris (plating may be recommended to determine viability)
Cost: $25 / sample
Volume: 2 ml

**Culture, Direct - unpackaged beer**
yeast / mold / bacteria - UBA, MRS
Cost: $25 / sample
Volume: 2 ml

yeast / mold only - UBA
Cost: $20 / sample
Volume: 2 ml

bacteria only - MRS
Cost: $15 / sample
Volume: 2 ml

**Culture, Membrane Filtration - packaged beer**
yeast / mold / bacteria - UBA, MRS
Cost: $40 / sample
Volume: 12 oz

yeast / mold only - UBA
Cost: $25 / sample
Volume: 12 oz

bacteria only - MRS
Cost: $25 / sample
Volume: 12 oz

**Yeast Count & Viability**
NucleoCounter
Cost: $35 / sample
Volume: 100 ml

CHEMICAL TESTS

**Acidity**
Cost: $20 / sample
Volume: 50 ml

**Free & Total SO₂**
Cost: $25 / sample
Volume: 50 ml

**Mineral & Metal Analyses**
Copper
Cost: $20 / sample
Volume: 50 ml

Iron
Cost: $20 / sample
Volume: 50 ml

Lead
Cost: $20 / sample
Volume: 50 ml

Magnesium
Cost: $20 / sample
Volume: 50 ml

Sodium
Cost: $20 / sample
Volume: 50 ml

Zinc
Cost: $20 / sample
Volume: 50 ml

Preparing and Sending Samples:
1. In order to ensure the most accurate analysis, please send full (topped) containers of beer optimally packaged for shipping to minimize breakage.
2. If specific label information is required on the report please make sure that this information is supplied on the sample request form.
3. Submit a completed Analysis Request Form with your samples (www.gusmerbeer.com).
4. Samples may be sent via UPS or FedEx. The US Postal Service does not accept alcohol for shipping. Samples may also be dropped off in person or courier service may be requested.