

SERVICE LABORATORY

The Fermentation Science Institute offers laboratory and analytical services to homebrewers and fermentation-based businesses that make beer, wine, or spirits. In keeping with SIU's commitment to community service, our researchers seek to support the production of consistent, high-quality fermented products by providing analytical services and technical assistance.

The Fermentation Science Institute Service Laboratory is certified by the Alcohol and Tobacco Tax and Trade Bureau (TTB) for the analysis of beer for export.

To submit a sample, go to *fermentation.siu.edu* and follow instructions under the SERVICE LAB tab.

*Updated 01/09/2017

ANALYTICAL SERVICES (BEER)

ANALYSIS	NOTES	PRICE \$
ALCOHOL		20
SPECIFIC GRAVITY		20
REAL EXTRACT		35
CARBON DIOXIDE		15
OXYGEN	Specify TPO, dissolved O ₂	15
PACKAGED BEVERAGE PANEL	<i>alcohol, specific gravity, extract, CO₂, oxygen</i>	60
POLYPHENOLS		20
DIACETYL		30
TOTAL ACIDITY		16
PH		10
IBU		35
COLOR (SRM)		25
BEER QUALITY ASSURANCE PANEL	<i>pH, IBU, color</i>	60
PROTEIN		75
ASH		25
CARBOHYDRATES		125
CALORIES		60
NUTRITIONAL ANALYSIS PANEL	<i>Protein, ash, carbohydrates, calories, specific gravity, real extract, alcohol</i>	200
A/B ACIDS		35
HOPS STORAGE INDEX		40
TOTAL ESSENTIAL OIL CONTENT		50
MOISTURE	Hops or grain	10
HOPS PANEL	<i>Oil content, alpha and beta acids, HSI, moisture</i>	80
GRAM STAIN		25
YEAST COUNT AND VIABILITY		25
YEAST CULTURING	Maintenance, propagation, long-term storage	Inquire
MICRO PANEL	<i>Gram stain, yeast count, selective plating</i>	75

ANALYTICAL SERVICES (BEER)

ANALYSIS	NOTES	PRICE \$
GENETIC SCREENING	<i>Prices are for each sample depending on the number of samples submitted: 1 sample/2 samples/3+ samples</i>	
BEER SPOILAGE MICROBIAL ANALYSIS	<i>L. brevis, L. lindneri, L. backii, L. collinoides and paracollinoides, Lactobacillus group (L. casei, L. paracasei, L. coryniformis, L. rossiae, L. parabuchneri, L. perolens, L. planatarum, Pediococcus (P. damnosus, P. inopinatus, P. claussenii,) Pectinatus (P. cerevisiiphillus, P. frisingensis, P. haikarae, P. portalensis), and Megasphaera spp. (M. cerevisiae, M. elsdenii)</i>	60/40/30
YEAST SCREENING	Determines presence/absence of yeast *2 sample minimum	60/40/30
YEAST ID	<i>Saccharomyces spp. (S. cerevisiae, S. pastorianus, S. cerevisiae var. diastaticus,) Brettanomyces/ Dekkera spp. (B./D. bruxellensis,) Candida spp./ Pichia spp., Zygosaccharomyces spp. (Z. bailii,) Saccharomycodes spp., and Schizosaccharomyces spp.</i>	100/60/50

We can provide additional services not on this list. Please contact us for inquiries.