

# **BEER**KNOWLEDGE & TASTING









4 Key ingredients to make Beer

### **MALT**

Barley is the preferred grain for beer. But the starch in a grain of barley isn't ready to be fermented into alcohol, so the barley is generally converted into malted barley, or "malt." The process of malting involves soaking the barley, allowing it to germinate, and then stopping germination with heat.

### **HOPS**

Hops are the spice of beer. They provide bitterness to balance the sweetness of the malt, as well as flavors and aromas ranging from citrus and pine to earthy and spicy.

### **YEAST**

Yeast is the microorganism that is responsible for fermentation in beer. Yeast metabolizes the sugars extracted from grains, which produces alcohol and carbon dioxide, and thereby turns wort into beer. In addition to fermenting the beer, yeast influences the character and flavor.

### **ABV - ALCOHOL BY VOLUME**

Alcohol by volume, or ABV, is used to measure the alcohol content of beer. Beers typically fall in the 3.0 to 13.0 percent ABV range, with the majority being 4.0 to 7.0 percent ABV.

### IBU - INTERNATIONAL BITTERNESS UNIT

The standard used by brewers to indicate the bitterness level of a beer. A Pils which has 30 to 40 IBU units, will have the same level of bitterness as an English Ale that is indicated with the same numbers.



### **BEER** READY GLASSWARE



"Flat" Beer Film or grease attack the foam, reducing the appeal



"False" Beer
Rapid loss of foam requiring
refills to "top off"



"Off" Taste Beer Odors from sanitizers, bar towels and improper storage affects quality

**WATER TEST** - Submerse the glass in water, when you lift it out the water should sheet off of the glass. If droplets cling that is a sign of film present.

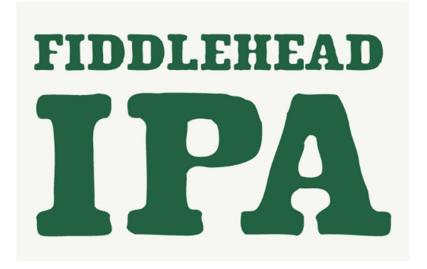
**SALT TEST** - Sprinkle salt into a wet glass, it should adhere evenly to the glass vs. sinking to the bottom or sticking randomly. Salt will stick wherever a greasy film is present.

**BUBBLE TEST** - Beer in the glass should be clear with no bubbles rising from the bottom of the glass or clinging to the side. Bubbles indicate a dirty glass. (Exception: Sam Adams specialty glasses have an etched bottom to create release of bubbles from the bottom of the glass)

**FOAM TEST** - The foam or head should stay present as the guest drinks the beer. After each sip, a ring of foam should adhere to the glass. This is called lacing, and when a guest is finished you should be able to count the number of sips taken to finish the beer.







### **BRAND/NAME**

Fiddlehead IPA

### **STYLE**

**IPA** 

### **COUNTRY OF ORIGIN**

Shelburne, VT

ABV	IBU

6.2% 53

### **COLOR**

Straw colored with a hazy glow.

### **AROMA**

Notes of orange citrus

### **TASTE**

Fiddlehead IPA is a well-balanced American IPA with mellow bitterness and a dry, refreshing finish.







### **BRAND/NAME**

Frog Alley Mohop IPA

### **STYLE**

**IPA** 

### **COUNTRY OF ORIGIN**

Schenectady, NY

<u>ABV</u> <u>IBU</u>

7.2% 40

### **COLOR**

Straw colored

### **AROMA**

Mango, stone fruit and floral.

### **TASTE**

Mint and ripe tropical notes with melon, rose, mango and apricots.









### **BRAND/NAME**

**Modelo Especial** 

### **STYLE**

Pilsner-Style Mexican Lager

### **COUNTRY OF ORIGIN**

Mexico

ABV IBU

4.4%

### **COLOR**

Rich, golden yellow

### **AROMA**

Orange blossom and honey with a hint of herb

### **TASTE**

Well-balanced, light hop character with a crisp, clean finish.





### **BRAND/NAME**

Blue Moon Belgian White

### **STYLE**

Witbier

### **COUNTRY OF ORIGIN**

United States - Denver, CO

ABV IBU

5.0%

### **COLOR**

Hazy orange gold

### **AROMA**

Fresh coriander and bright citrus orange peel

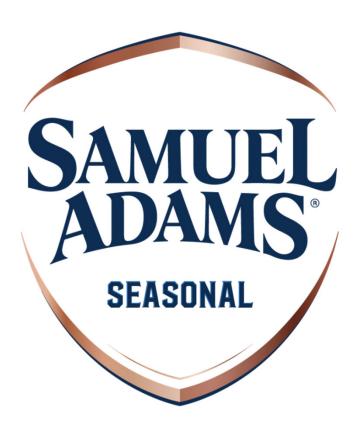
### **TASTE**

Nice and complex with herbal and citrus notes, finishing fairly dry









### **BRAND/NAME**

Samuel Adams Seasonal

### **STYLE**

Seasonal

### **COUNTRY OF ORIGIN**

Boston, MA

ABV IBU

- -

### **COLOR**

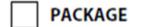
Varies

### **AROMA**

**Varies** 

### **TASTE**

Varies











### **BRAND/NAME**

Avenue of the Pines

### **STYLE**

New England Pale Ale

### **COUNTRY OF ORIGIN**

Queensbury, NY

ABV IBU

7.2% 49

### **COLOR**

Golden yellow

### **AROMA**

Earthy pine straw followed by apricot.

### **TASTE**

Subtle pine and tropical fruit flavors.







### BRAND/NAME

**Bud Light** 

### **STYLE**

American Light Lager

### **COUNTRY OF ORIGIN**

United States – St. Louis, MO

<u>ABV</u> <u>IBU</u>

4.2%

### **COLOR**

Pale yellow

### **AROMA**

Subtle hops with delicate malt sweetness

### **TASTE**

Light-bodied with a fresh, clean hop flavor, mild sweetness, and crisp finish







### **BRAND/NAME**

**Budweiser** 

### **STYLE**

American Lager

### **COUNTRY OF ORIGIN**

United States – St. Louis, MO

<u>ABV</u> <u>IBU</u>

5.0% 12

### **COLOR**

Crisp, Pale Golden

### **AROMA**

Sweet malt with subtle hops

### **TASTE**

A medium-bodied, flavorful crisp American-style lager brewed with the best barley malt and a blend of premium hop varieties.







### BRAND/NAME

Coors Light

### **STYLE**

American Light Lager

### **COUNTRY OF ORIGIN**

United States – Golden, CO

ABV IBU

4.2% 10

### **COLOR**

Pale gold

### **AROMA**

Floral hops, subtle grain

### **TASTE**

Mild sweet malt with hint of bitterness and a crisp finish







### **BRAND/NAME**

Corona Extra

### **STYLE**

Mexican Lager

### **COUNTRY OF ORIGIN**

Mexico

ABV IBU

4.6% 19

### **COLOR**

Golden

### **AROMA**

Fruit, honey aromas and a touch of malt

### **TASTE**

Crisp, clean and well-balanced between hops and malt.





### Heineken

### **BRAND/NAME**

Heineken

**STYLE** 

European Lager

### **COUNTRY OF ORIGIN**

Holland

ABV IBU

5.0%

### **COLOR**

Pale Golden

### **AROMA**

Fruity

### **TASTE**

Smooth, nicely blended bitterness, clean finish.







### **BRAND/NAME**

Michelob Ultra

### **STYLE**

Light American Lager

### **COUNTRY OF ORIGIN**

United States – St. Louis, MO

<u>ABV</u>	 <u>IBL</u>

4.2%

### **COLOR**

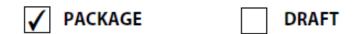
Light gold

### **AROMA**

Mild biscuit and subtle light citrus

### **TASTE**

Crisp and refreshing mild, malt taste with hints of citrus and a dry finish







### **BRAND/NAME**

Miller Lite

### **STYLE**

American Light Lager

### **COUNTRY OF ORIGIN**

United States – Milwaukee, WI

<u>ABV</u> <u>IBU</u>

4.2% 10

### **COLOR**

Deep golden

### **AROMA**

Medium malt and hop

### **TASTE**

Hop-forward and solid malt character, smooth medium body with a crisp, clean finish.







### **BRAND/NAME**

Stella Artois

### **STYLE**

European Pilsner

### **COUNTRY OF ORIGIN**

Belgium

ABV IBU

5.0%

### **COLOR**

Golden

### **AROMA**

Floral hops with toasted malt

### **TASTE**

Slightly sweet with a clean, crisp hop finish.



