

## Amber Ale - 5.2%

### American Amber Ale

Author: Admin Brewha

Type: All Grain

IBU : 27 (Tinseth)  
 BU/GU : 0.52  
 Color : 26 EBC  
 Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.047 / 11.7 °P  
 Original Gravity : 1.052 / 12.8 °P  
 Final Gravity : 1.012 / 3.1 °P

### Fermentables (60 lb 11.1 oz)

38 lb 2.2 oz - 2 Row Pale Malt 5.5 EBC (62.8%)  
 8 lb 15.6 oz - Crystal 60 2-Row 118 EBC (14.8%)  
 8 lb 15.6 oz - Pilsner Malt 3.2 EBC (14.8%)  
 4 lb 9.7 oz - Melanoidin Malt 59 EBC (7.6%)

### Hops (2.29 oz)

60 min - 2.29 oz - Simcoe Cryo - 20.4% (27 IBU)

### Miscellaneous

Mash - 8 g - Baking Soda (NaHCO3)  
 Mash - 30 g - Calcium Chloride (CaCl2)  
 Mash - 15 g - Epsom Salt (MgSO4)  
 Mash - 10 g - Gypsum (CaSO4)  
 Mash - 11 ml - Phosphoric Acid 75% 75%  
 Mash - 495.834 g - Rice Hulls  
 Sparge - 3.2 g - Calcium Chloride (CaCl2)  
 Sparge - 1.6 g - Epsom Salt (MgSO4)  
 Sparge - 1.07 g - Gypsum (CaSO4)  
 10 min - Boil - 12.534 g - Irish Moss  
 Boil - 12.612 ml - Anti-foam Patco 376  
 ^ Add to the wort after mash, before boil beg...  
 Primary - 3.305 g - Brewers Clarex  
 Secondary - 23.8 ml - Biofine Clear  
 ^ Add to fermenter while gassing to distribut...

### Yeast

1 pkg - Escarpment Yeast Labs American Ale

### BREWHA 1.5BBL BIAC

Batch Size : 32.76 gal  
 Boil Size : 38.37 gal  
 Post-Boil Vol : 34.67 gal

Mash Water : 37.34 gal  
 Sparge Water : 5.31 gal  
 Boil Time : 70 min  
 Total Water : 42.65 gal

Brewhouse Efficiency: 77%  
 Mash Efficiency: 78.2%

### Mash Profile

High fermentability  
 156.7 °F - Strike Temp  
 149 °F - 60 min - Temperature

### Fermentation Profile

Ale  
 68 °F - 14 days - Primary

### Water Profile

Reverse Osmosis Water based on Victoria Treat...  
 Ca 75 Mg 11 Na 14 Cl 103 SO 81 HCO 36

SO/Cl ratio: 0.8

Mash pH: 5.24

### Measurements

Mash pH:

Boil Volume:

Pre-Boil Gravity:

Post-Boil Kettle Volume:

Original Gravity:

Fermenter Top-Up:

Fermenter Volume:

Final Gravity:

Bottling Volume:



26 EBC

### Recipe Notes

Yeast should be propagated through single step to increase cell count. (See this link for details on how to do this: <https://brewhaequipment.com/search?q=propagate> )