

27 EBC

Great Lakes Brewing Co - Christmas Ale (clone) - 9.1%

Winter Seasonal Beer Author: Joe Cole

Type: All Grain

IBU : 35 (Tinseth) BU/GU : 0.39 Colour : 27 EBC Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.057 : 1.088 Original Gravity Final Gravity : 1.019

Fermentables (2.14 kg)

1.53 kg - Pale Malt, 2-Row 3.5 EBC (71.6%)

159 g - Caramel Malt 79 EBC (7.4%) 159 g - Wheat White Malt 4.5 EBC (7.4%) 121 g - Flameout - Dextrose 2 EBC (5.7%) 121 g - Flameout - Honey 2 EBC (5.7%) 40 g - Special Roast 98.5 EBC (1.9%) 8 g - Roasted Barley 1300 EBC (0.4%)

Hops (20.6 g)

60 min - 13 g - Cascade - 5.5% (30 IBU) ^ Cascade as required to 32 total IBUs with 1... 10 min - 7.6 g - Hallertau - 4.5% (5 IBU)

Miscellaneous

Mash - 1.4 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 9.1 ml - Calcium Chloride (CaCl2) 33 %... Mash pH:

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 1.3 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 1.8 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7

Mash - 1.5 ml - Lactic Acid 80% 88%

^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

15 min - Boil - 1 items - Cinnamon Stick

^ Add in bag with Ginger @15 minutes. Let sit... Fermenter Volume:

15 min - Boil - 7.5 g - Ginger Root

^ Peeled then sliced thinly. I previously tri...

Yeast

0.9 pkg - Neales Brewing Supplies Classic Eng...

^ Lot # 03012001180611V

^ The Malt Miller (UK) YEA-02-021

01 Brouwpunt 5L (60min) (rev 4)

Batch Size : 5.6 L Boil Size : 7.76 L Post-Boil Vol : 5.96 L

Mash Water : 5.69 L Sparge Water : 4.01 L Boil Time : 60 min Total Water : 9.7 L

Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

Mash Profile More dextrinous

75.4 °C - Strike Temp

68.9 °C - 60 min - Temperature

Fermentation Profile

Ale

20 °C - 14 days - Primary

Water Profile

Distilled Water (Christmas Ale) Ca 30 Mg 5 Na 25 Cl 75 SO 19

SO/Cl ratio: 0.3 Mash pH: 5.4 Sparge pH: 6

Measurements

Boil Volume:

Pre-Boil Gravity:

Post-Boil Kettle Volume:

Original Gravity:

Fermenter Top-Up:

Final Gravity:

Bottling Volume:

Recipe Notes

Target 35 IBUs with 1oz Hallertau @10min, then Cascade as required @ 60min for 35 IBUs total The ginger I typically peel, then slice thin instead of grating. It's less messy and I find I can control how much of the ginger flavor is present better that way.

The cinnamon and ginger are added in a muslin bag @ 15min then left until transfer to ferment is complete. If you test before conditioning is complete, you might find the cinnamon overpowering but it

Great Lakes Brewing Co - Christmas...



Recipe Notes

mellows out nicely!

Ignore the water additions unless you're building from RO water. I do that so my recipes are the same no matter where I live and without needing to test my water.