

Extra Stout - 4.5%

01 Brouwpunt 5L (60min) (rev 4) Irish Stout Author: GHW@homebrewinguk.com Batch Size : 5.6 L : 7.76 L Boil Size Post-Boil Vol : 5.96 L Type: All Grain IBU Mash Water : 32 (Tinseth) : 3.59 L BU/GU : 0.69 Sparge Water : 5.44 L **44 EBC** Colour : 44 EBC Boil Time : 60 min Carbonation : 2.4 CO2-vol Total Water : 9.03 L Pre-Boil Gravity : 1.036 Brewhouse Efficiency: 71.8% : 1.047 Mash Efficiency: 73.3% Original Gravity Final Gravity : 1.013 Mash Profile 01 One Step Mash (60 min) Fermentables (1.26 kg) 1.113 kg - Finest Pale Ale Golden Promise 5.5... 71 °C - Strike Temp 65 °C - 60 min - Temperature ^ The Malt Miller (UK) MAL-00-058 41 g - Brown Malt 135 EBC (3.3%) 41 g - 30 min - Steep - Chocolate Malt 950 EB... Fermentation Profile ^ The Malt Miller (UK) MAL-02-004 01 Ale + DR + Conditioning 21 g - Dark Crystal Malt 240 EBC (1.7%) 18 °C - 10 days - Primary ^ The Malt Miller (UK) MAL-01-002 20 °C - 4 days - Diacetyl rest 18 °C - 14 days - Carbonation 21 g - Medium Crystal 240 265 EBC (1.7%) 18 °C - 28 days - Conditioning 21 g - 30 min - Steep - Roasted Barley 1300 E... ^ The Malt Miller (UK) MAL-02-007 Water Profile 02 NL Spa Reine Flat Mineral Water (www.ah.nl... Hops (13.9 g) 60 min - 13.9 g - Willamette (Whole) - 5% (32... Ca 110 Mg 10 Na 100 Cl 273 SO 100 HCO 50 ^ Lot # 20220911 ^ Home grown by The Thirsty Otter SO/Cl ratio: 0.4 Mash pH: 5.29 Miscellaneous Sparge pH: 6 Mash - 0.42 g - Baking Soda (NaHCO3) ^ Lot # 41190621/3 Measurements ^ Brouwstore (NL) 003.106.2 Mash - 5.93 g - Calcium Chloride (CaCl2) 33 %... Mash pH: ^ Lot # 115038 Boil Volume: ^ Brouwstore (NL) 055.035.0 Mash - 1.93 g - Canning Salt (NaCl) ^ Albert Heijn (NL) Pre-Boil Gravity: Mash - 0.73 g - Epsom Salt (MgSO4) ^ Lot # /2119000091 Post-Boil Kettle Volume: ^ Brouwstore (NL) 055.027.7 Mash - 1.04 g - Gypsum (CaSO4) Original Gravity: ^ The Malt Miller (UK) CHE-03-004 Fermenter Top-Up: Yeast 0.4 pkg - White Labs Irish Ale Yeast WLP004 Fermenter Volume: Final Gravity:

Bottling Volume:

Recipe Notes

Target: ABV = 4.6 %, IBU = 32, OG = 1.047, FG = 1.011.