

Banks's Amber Bitter Oslo (tweaked) - 4.1%

01 Brouwpunt 5L (30min) (rev 4) Ordinary Bitter Author: Geoffrey Shread Batch Size : 5.6 L Boil Size : 6.86 L Post-Boil Vol : 5.96 I Type: All Grain IBU Mash Water : 31 (Tinseth) : 2.65 L BU/GU : 0.86 Sparge Water : 5.18 L **19 EBC** Colour : 19 EBC Boil Time : 30 min Carbonation : 1.9 CO2-vol Total Water : 7.83 L Pre-Boil Gravity : 1.031 Brewhouse Efficiency: 71.8% : 1.036 Mash Efficiency: 73.3% Original Gravity Final Gravity : 1.005 Mash Profile 01 One Step Mash (30 min) Fermentables (883 g) 821 g - Pale Ale Malt 6 EBC (93%) 73.3 °C - Strike Temp ^ The Malt Miller (UK) MAL-00-010 67 °C - 30 min - Temperature 51 g - Flaked Oats Including Husk 2 EBC (5.8%) ^ The Malt Miller (UK) MAL-03-007 Fermentation Profile 11 g - Black Malt 1340 EBC (1.3%) 01 Ale + DR + Conditioning ^ The Malt Miller (UK) MAL-02-008 30 °C - 10 days - Primary 32 °C - 4 days - Diacetyl rest Hops (20.7 g) 30 °C - 45 days - Conditioning 30 min - 5 g - East Kent Goldings (T90) - 5%... ^ The Malt Miller (UK) HOP-04-001 Water Profile 30 min - 5 g - Fuggles - 4.5% (9 IBU) 02 NL Spa Reine Flat Mineral Water (www.ah.nl... ^ The Malt Miller (UK) HOP-04-002 Ca 100 Mg 15 Na 75 Cl 132 SO 201 12 min - 10.7 g - East Kent Goldings (T90) -... ^ The Malt Miller (UK) HOP-04-001 SO/Cl ratio: 1.5 Mash pH: 5.45 Miscellaneous Sparge pH: 6 Mash - 0.85 g - Baking Soda (NaHCO3) ^ Lot # 41190621/3 Measurements ^ Brouwstore (NL) 003.106.2 Mash - 2.28 g - Calcium Chloride (CaCl2) 33 %... Mash pH: ^ Lot # 115038 ^ Brouwstore (NL) 055.035.0 Boil Volume: Mash - 0.85 g - Canning Salt (NaCl) ^ Albert Heijn (NL) Pre-Boil Gravity: Mash - 1.04 g - Epsom Salt (MgSO4) ^ Lot # /2119000091 Post-Boil Kettle Volume: ^ Brouwstore (NL) 055.027.7 Mash - 2.04 g - Gypsum (CaSO4) Original Gravity: ^ The Malt Miller (UK) CHE-03-004 Mash - 0.2 ml - Lactic Acid 80% 80% Fermenter Top-Up: ^ Lot # 20200213 Fermenter Volume: ^ Brouwstore (NL) 003.002.3 Yeast Final Gravity:

Recipe Notes

0.3 pkg - Bootleg Biology OSLO kveik

Target: ABV = 3.92 %, IBU = 33.34, EBC = 14.37, OG = 1.036, FG = 1.006, Mash pH = 5.46.

Bottling Volume: