

Admiral's Courage ESB - 5.8%

Strong Bitter

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Type: All Grain

IBU : 32 (Tinseth)
 Colour : 25 EBC
 Carbonation : 2 CO2-vol

Pre-Boil Gravity : 1.038
 Original Gravity : 1.054
 Final Gravity : 1.010

Fermentables (1.3 kg)

1.118 kg - Golden Promise Pale Ale Malt 5 EBC...
 ^ Lot # 694-201130-111430-176081-1/1
 ^ The Malt Miller (UK) MAL-00-034
 94 g - Extra Light Crystal Malt 100 EBC (7.2%)
 ^ The Malt Miller (UK) MAL-01-031
 75 g - Brown Sugar, Light 15.8 EBC (5.8%)
 11 g - Black Malt 1340 EBC (0.8%)
 ^ The Malt Miller (UK) MAL-02-008

Hops (41.2 g)

30 min - 7.6 g - Challenger (T90) - 7.2% (21...
 ^ The Malt Miller (UK) HOP-04-000
 10 min - 14.9 g - Hallertauer Mittelfrueh (T9...
 ^ The Malt Miller (UK) HOP-06-008

Dry Hops

3 days - 18.7 g - Celeia (Styrian Goldings) (...)

Miscellaneous

Mash - 0.46 g - Epsom Salt (MgSO4)
 ^ Lot # /2119000091
 ^ Brouwstore (NL) 055.027.7
 Mash - 2.13 g - Gypsum (CaSO4)
 ^ The Malt Miller (UK) CHE-03-004
 Mash - 0.5 ml - Lactic Acid 80% 80%
 ^ Lot # 20200213
 ^ Brouwstore (NL) 003.002.3
 Sparge - 0.97 ml - Lactic Acid 80% 80%
 ^ Lot # 20200213
 ^ Brouwstore (NL) 003.002.3

Yeast

0.4 pkg - Mangrove Jack's Liberty Bell Ale M36
 ^ The Malt Miller (UK) YEA-02-015

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

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

Mash Water : 3.67 L
 Sparge Water : 5.38 L
 Boil Time : 60 min
 Total Water : 9.05 L

Brewhouse Efficiency: 71.8%
 Mash Efficiency: 73.3%

Mash Profile

01 One Step Mash (60 min)
 68.7 °C - Strike Temp
 63 °C - 60 min - Temperature

Fermentation Profile

Ale
 20 °C - 14 days - Primary

Water Profile

NL Hoofddorp Rein Tap Water (2020-Q3 WQR) (St...
 Ca 95 Mg 15 Na 68 Cl 92 SO 200

SO/Cl ratio: 2.2
 Mash pH: 5.41
 Sparge pH: 6

Measurements

Mash pH:
 Boil Volume:
 Pre-Boil Gravity:
 Post-Boil Kettle Volume:
 Original Gravity:
 Fermenter Top-Up:
 Fermenter Volume:
 Final Gravity:
 Bottling Volume:



25 EBC

Recipe Notes

Target: ABV = 5.6 %, IBU = 31.6, EBC = 23.8. OG = 1.053, FG = 1.010.