

75 EBC

31 Isengrim - 4.7%

Oatmeal Stout Author: The Thirsty Otter

Type: All Grain

IBU : 31 (Tinseth) BU/GU : 0.62 : 75 EBC Colour Carbonation : 2.4 CO2-vol

: 1.037 Pre-Boil Gravity Original Gravity : 1.048 Total Gravity : 1.050 Final Gravity : 1.014

Fermentables (1.38 kg)

1 kg - Maris Otter Pale Ale Malt 5.9 EBC (72.5%)

^ The Malt Miller (UK) MAL-00-036

200 g - 30 min - Steep - Pale Chocolate Malt...

^ The Malt Miller (UK) MAL-02-011 150 g - Oat Malt 4 EBC (10.9%) ^ The Malt Miller (UK) MAL-00-003

30 g - 30 min - Steep - Roasted Barley 1300 E...

^ The Malt Miller (UK) MAL-02-007

30 g - Bottling - Sugar, Table (Sucrose) 2 EBC

^ Albert Heijn (NL)

Hops (32 g)

30 min - 10 g - Fuggle (Whole) - 5% (19 IBU)

^ Worcester Hop Shop (UK)

15 min - 7 g - Fuggle (Whole) - 5% (9 IBU)

^ Worcester Hop Shop (UK)

Hop Stand

15 min hopstand @ 80 °C

15 min - 15 g - Fuggle (Whole) - 5% (4 IBU)

^ Worcester Hop Shop (UK)

Miscellaneous

Mash - 0.65 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 2.28 g - Calcium Chloride (CaCl2) 33 %...

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 0.65 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 0.94 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7

Mash - 0.93 g - Gypsum (CaSO4) ^ The Malt Miller (UK) CHE-03-004 Mash - 0.1 ml - Lactic Acid 80% 80%

^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

Mash - 4.14 l - NL Spa Reine Flat Mineral Water

^ AH (NL)

Sparge - 5.06 l - NL Spa Reine Flat Mineral W...

^ AH (NL)

60 min - Boil - 0.15 g - Lipohop K

^ The Malt Miller (UK) CH-03-013

10 min - Boil - 1 g - Irish Moss ^ Brouwstore (NL) 125.249.1

10 min - Boil - 0.05 g - Lallemand Servomyces

^ Lot # 154001112904ABV

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

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

Mash Water : 3.45 L Sparge Water : 5.53 L Boil Time : 60 min

Total Water : 8.98 L

Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

Mash Profile

04 High fermentability (60 min)

71 °C - Strike Temp

65 °C - 60 min - Temperature

Fermentation Profile

01 Ale + DR + Conditioning

18 °C - 10 days - Primary

21 °C - 4 days - Diacetyl rest

18 °C - 14 days - Carbonation

18 $^{\circ}\text{C}$ - 28 days - Conditioning

Water Profile

NL Spa Reine Flat Mineral Water (www.ah.nl) (...

Ca 59 Mg 12 Na 51 Cl 102 SO 103

SO/Cl ratio: 1 Mash pH: 5.61 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:

31 Isengrim



Recipe Notes

Malt is ordered with standard crush @ The Malt Miller (https://www.themaltmiller.co.uk/).

Steep the roasted barley and pale chocolate malt in 0.750 L of wort. Add the steeped roast barley and pale chocolate malt at the end of the mash.