

xBmt-20200203 Single Vs. Double Aeration - 12.5%

Imperial Stout

Author: Matt Del Fiacco

Type: All Grain

IBU : 65 (Tinseth)
BU/GU : 0.52
Colour : 128 EBC
Carbonation : 2.3 CO2-vol

Pre-Boil Gravity : 1.087
Original Gravity : 1.123
Final Gravity : 1.028

Fermentables (3.04 kg)

1.79 kg - Pale Malt, 2 row (Gambrinus) 3.9 EB...
320 g - Oats, Flaked 2 EBC (10.5%)
210 g - Chocolate Malt (Simpsons) 845 EBC (6.9%)
210 g - Munich II (Weyermann) 16.7 EBC (6.9%)
160 g - Rye, Flaked 3.9 EBC (5.3%)
150 g - Sugar, Table (Sucrose) 2 EBC (4.9%)
130 g - Roasted Barley (Muntons) 1035 EBC (4.3%)
70 g - Crystal, Medium (Simpsons) 108 EBC (2.3%)

Hops (25.2 g)

First Wort 60 - 11.9 g - Magnum - 12% (50 IBU)
30 min - 13.3 g - East Kent Goldings (EKG) - ...

Miscellaneous

Mash - 3.26 g - Calcium Chloride (CaCl2) 33 %...
^ Lot # 115038
^ Brouwstore (NL) 055.035.0
Mash - 0.14 g - Canning Salt (NaCl)
^ Albert Heijn (NL)
Mash - 0.32 g - Epsom Salt (MgSO4)
^ Lot # /2119000091
^ Brouwstore (NL) 055.027.7
Mash - 0.39 g - Gypsum (CaSO4)
^ The Malt Miller (UK) CHE-03-004
Mash - 0.4 ml - Lactic Acid 80% 80%
^ Lot # 20200213
^ Brouwstore (NL) 003.002.3

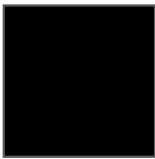
Yeast

0.8 pkg - Imperial Yeast Flagship A07

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

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

Mash Water : 8.67 L
Sparge Water : 1.98 L
Boil Time : 60 min
Total Water : 10.65 L



128 EBC

Brewhouse Efficiency: 71.8%
Mash Efficiency: 73.3%

Mash Profile

eBIAB Single Infusion
74.1 °C - Strike Temp
67.8 °C - 120 min - Step One

Fermentation Profile

Imported
19.4 °C - 4 days - Primary
19.4 °C - 10 days - Secondary
18.3 °C - 30 days - Conditioning

Water Profile

02 NL Spa Reine Flat Mineral Water (www.ah.nl...
Ca 50 Mg 5 Na 8 Cl 78 SO 36 HCO 17

SO/Cl ratio: 0.5
Mash pH: 5.39
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:

Recipe Notes

Water Profile: Ca 50 | Mg 5 | Na 8 | SO4 36 | Cl 80
<http://brulosophy.com/2020/02/03/wort-aeration-single-vs-double-dose-of-oxygen-in-a-high-og-ale-exbeer-iment-results/>