

7 EBC

xBmt-20201029 FWH vs. Standard Hop - European Lager - 4.6%

International Pale Lager 01 Brown Mike Olivian Batch

Author: Mike Olivier

Type: All Grain

IBU : 27 (Tinseth)

BU/GU : 0.61 Colour : 7 EBC

Carbonation : 2.5 CO2-vol

Pre-Boil Gravity : 1.033 Original Gravity : 1.045 Final Gravity : 1.010

Fermentables (1.13 kg)

975 g - Pilsner (2 Row) Ger 3.9 EBC (86.1%) 94 g - Barley, Flaked (Briess) 3.3 EBC (8.3%)

63 g - Carapils (Briess) 3 EBC (5.6%)

Hops (10 g)

First Wort 75 - 10 g - Northern Brewer - 4.6%...

Miscellaneous

Mash - 0.33 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 0.13 g - Calcium Chloride (CaCl2) 33 %...

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 0.13 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 0.17 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7

Mash - 0.17 g - Gypsum (CaSO4)

^ The Malt Miller (UK) CHE-03-004 Mash - 1.2 ml - Lactic Acid 80% 80%

^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

Yeast

9.5 ml - White Labs German Lager WLP830

01 Brouwpunt 5L (75min) (rev 4)

Batch Size : 5.6 L Boil Size : 8.21 L Post-Boil Vol : 5.96 L

Mash Water : 3.4 L
Sparge Water : 6.02 L
Boil Time : 75 min

Total Water : 9.42 L

Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

Mash Profile

01 Light Body Profile (148F)

70.4 °C - Strike Temp 64.4 °C - 75 min - Mash In

Fermentation Profile

Imported

19.4 $^{\circ}\text{C}$ - 4 days - Primary

19.4 °C - 10 days - Secondary

18.3 $^{\circ}\text{C}$ - 30 days - Conditioning

Water Profile

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

Ca 11 Mg 4 Na 18 Cl 16 SO 21

SO/Cl ratio: 1.3 Mash pH: 5.4 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

https://brulosophy.com/2020/10/29/first-wort-hop-vs-75-minute-kettle-addition-the-bru-club-xbmt-series
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