

10 EBC

Holgate Brewhouse - X-Wing XPA (clone) - 5.6%

American Pale Ale Author: Pig Den Brewing

Type: All Grain

IBU : 30 (Tinseth)

BU/GU : 0.57 Colour : 10 EBC Carbonation : 2.3 CO2-vol

Pre-Boil Gravity : 1.041 : 1.053 Original Gravity Final Gravity : 1.010

Fermentables (1.33 kg)

1.329 kg - Ale Malt 6 EBC (100%)

Hops (39.3 g)

15 min - 4.2 g - Azacca - 15% (17 IBU)

Hop Stand

30 min hopstand @ 75 °C

30 min 75 °C - 4.8 g - Citra - 12% (3 IBU) 30 min 75 °C - 4.8 g - El Dorado - 15% (4 IBU) 30 min 75 °C - 4.8 g - Mosaic (HBC 369) - 12.... 15 min 75 °C - 4.8 g - Azacca - 15% (3 IBU)

Dry Hops

4 days - 5.3 g - Citra - 12%

4 days - 5.3 g - El Dorado - 15% 4 days - 5.3 g - Mosaic (HBC 369) - 12.25%

Miscellaneous

Mash - 0.46 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7 Mash - 2.36 g - Gypsum (CaSO4) ^ The Malt Miller (UK) CHE-03-004 Mash - 0.8 ml - Lactic Acid 80% 80%

^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

Sparge - 0.94 ml - Lactic Acid 80% 80%

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^ Brouwstore (NL) 003.002.3

Yeast

0.3 pkg - Fermentis Safale American US-05

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

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

Mash Water : 3.99 L Sparge Water : 5.17 L Boil Time : 60 min Total Water : 9.16 L

Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

Mash Profile

Single Infusion, Medium Body, No Mash Out

71 °C - Strike Temp 65 °C - 60 min - Mash In

Fermentation Profile

Ale

20 °C - 14 days - Primary

Water Profile

NL Hoofddorp Rein Tap Water (2020-Q3 WQR) (St...

Ca 100 Mg 15 Na 68 Cl 92 SO 212

SO/Cl ratio: 2.3 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: