

Panhead - Quickchange XPA (clone) - 4.7%

Specialty IPA

Author: Pig Den Brewing

Type: All Grain

IBU : 66 (Tinseth)
 BU/GU : 1.4
 Colour : 8 EBC
 Carbonation : 2.3 CO2-vol

Pre-Boil Gravity : 1.036
 Original Gravity : 1.047
 Final Gravity : 1.011

Fermentables (1.16 kg)

577 g - Pale Ale Malt 6 EBC (49.9%)
 ^ Lot # 694-201130-111430-176081-1/1
 ^ The Malt Miller (UK) MAL-00-010
 463 g - Pilsner 3.5 EBC (40.1%)
 ^ The Malt Miller (UK) MAL-00-074
 116 g - Wheat Malt 4 EBC (10%)
 ^ Lot # 694-201130-111430-176081-1/1
 ^ The Malt Miller (UK) MAL-04-004

Hops (50.6 g)

15 min - 9.1 g - Mosaic - 14.2% (36 IBU)
 5 min - 9.1 g - Galaxy - 15.75% (21 IBU)

Hop Stand

30 min hopstand @ 75 °C
 30 min 75 °C - 10 g - Citra - 14.1% (8 IBU)

Dry Hops

4 days - 11.2 g - Citra - 14.1%
 4 days - 5.6 g - Galaxy - 15.75%
 4 days - 5.6 g - Mosaic - 14.2%

Miscellaneous

Mash - 0.46 g - Epsom Salt (MgSO4)
 ^ Lot # /2119000091
 ^ Brouwstore (NL) 055.027.7
 Mash - 2.32 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 - 1 ml - Lactic Acid 80% 80%
 ^ Lot # 20200213
 ^ Brouwstore (NL) 003.002.3

Yeast

0.5 pkg - Fermentis Safale American US-05
 ^ Lot # 52766 1049 269
 ^ The Malt Miller (UK) YEA-02-025

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

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

Mash Water : 3.47 L
 Sparge Water : 5.52 L
 Boil Time : 60 min
 Total Water : 8.99 L



8 EBC

Brewhouse Efficiency: 71.8%
 Mash Efficiency: 73.3%

Mash Profile

Single Infusion, Full Body, No Mash Out
 75.4 °C - Strike Temp
 68.9 °C - 45 min - Mash In

Fermentation Profile

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

Water Profile

NL Hoofddorp Rein Tap Water (2020-Q3 WQR) (St...
 Ca 100 Mg 15 Na 68 Cl 92 SO 213

SO/Cl ratio: 2.3
 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

0 min addition I have added as a hop stand