

10 EBC

06 SMaSH - Citra - 5.6%

American Pale Ale Author: Bert Timmerman

Type: All Grain

IBU : 47 (Tinseth)
Color : 10 EBC
Carbonation : 2.3 CO2-vol

Pre-Boil Gravity: 1.035 Post-Boil Gravity: 1.053 Original Gravity: 1.055 Final Gravity: 1.012

Fermentables (1.33 kg)

1.3 kg - Pale Malt, Maris Otter 5.9 EBC (97.7%) 30 g - Bottling - Sugar, Table (Sucrose) 2 EB...

Hops (27.5 g)

20 min - 3 g - Citra - 12% (13 IBU) 10 min - 5 g - Citra - 12% (15 IBU) 5 min - 6 g - Citra - 12% (13 IBU)

Hop Stand

30 min hopstand @ 80 °C 30 min - 7 g - Citra - 12% (8 IBU)

Dry Hops

2 days - 6.5 g - Citra - 12%

Miscellaneous

Mash - 0.43 g - Calcium Chloride (CaCl2) Mash - 0.34 g - Epsom Salt (MgSO4)

Mash - 1.09 g - Gypsum (CaSO4)

Mash - 0.315 g - Salt

Sparge - 0.46 g - Calcium Chloride (CaCl2)

Sparge - 0.37 g - Epsom Salt (MgSO4) Sparge - 1.18 g - Gypsum (CaSO4) Sparge - 0.78 ml - Lactic Acid 80% 60 min - Boil - 0.115 g - Salt

10 min - Boil - 0.217 tbsp - Protafloc 10 min - Boil - 1.085 g - Servomyces

Yeast

0.5 pkg - Fermentis Safale American US-05

01 Brouwpunt 5L (60min) (rev 1)

Batch Size : 5.6 L Boil Size : 8.94 L Post-Boil V.: 5.94 L

Mash Water : 3.9 L Sparge Water: 6.29 L Boil Time : 60 min Total Water : 10.19 L

Brewhouse Efficiency: 72%
Mash Efficiency : 73.3%

Mash Profile

B80P

66 °C - 60 min - Saccharification

75 °C - 10 min - Mash Out

Fermentation Profile

Ale

18 °C - 3 days - Primary 21 °C - 7 days - Primary

21 °C - 40 days - Conditioning

Water Profile

NL Hoofddorp Rein Tap Water (2020-Q1 WQR) (Pa...

Ca 136 Mg 18 Na 67 Cl 53 SO 234

SO/Cl ratio: 4.4 Mash pH : 5.7 Sparge pH : 6

Measurements

Mash pH:

Boil Volume:

Pre-Boil Gravity:

Post-Boil Gravity:

Post-Boil Kettle Volume:

Original Gravity:

Fermenter Top-Up:

Fermenter Volume:

Final Gravity:

Bottling Volume:

Recipe Notes

Scaled down from 23 L to 5 L Batch Volume. Water agents corrected for local water profile.