

05 SMaSH Centennial - 5.4%

American Pale Ale

Author: My Plonk Beer

Type: All Grain

IBU : 38 (Tinseth)
 Colour : 9 EBC
 Carbonation : 2.3 CO2-vol

Pre-Boil Gravity : 1.037
 Post-Boil Gravity : 1.049
 Original Gravity : 1.051
 Final Gravity : 1.010

Fermentables (1.23 kg)

1.2 kg - Maris Otter Pale Ale Malt 5.9 EBC (9...
 30 g - Bottling - Sugar, Table (Sucrose) 2 EB...

Hops (20 g)

20 min - 5 g - Centennial - 9% (15 IBU)
 10 min - 5 g - Centennial - 9% (11 IBU)
 5 min - 5 g - Centennial - 9% (8 IBU)

Hop Stand

30 min hopstand @ 80 °C
 30 min - 5 g - Centennial - 9% (4 IBU)

Miscellaneous

Mash - 2.36 ml - Calcium Chloride (CaCl2) 33...
 Mash - 0.82 g - Epsom Salt (MgSO4)
 Mash - 0.9 ml - Lactic Acid 80% 80%
 60 min - Boil - 0.15 g - Lipohop K
 10 min - Boil - 1 g - Irish Moss
 10 min - Boil - 0.05 g - Servomyces
 10 min - Boil - 1 items - Wort Chiller
 Bottling - 15 items - 33 cl Steinie bottle (s...

Yeast

0.5 pkg - Lallemmand (LalBrew) New England

01 Brouwpunt 5L (60min) (rev 3)

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

Mash Water : 3.6 L
 Sparge Water : 4 L

Boil Time : 60 min
 Top-Up Water : 1.43 L
 Total Water : 9.03 L

Brewhouse Efficiency: 71.8%
 Mash Efficiency: 73.3%

Mash Profile

01 One Step Mash (60 min)
 68.7 °C - Strike Temp
 63 °C - 60 min - Temperature

Fermentation Profile

Ale
 20 °C - 10 days - Primary
 20 °C - 45 days - Conditioning

Water Profile

NL Hoofddorp Rein Tap Water (2020-Q1 WQR) (Pa...
 Ca 72 Mg 18 Na 67 Cl 55 SO 79

SO/Cl ratio: 1.4
 Mash pH: 5.44

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

Single Mash and Single Hop exBEERiment
 Malt is ordered with standard crush @ The Malt
 Miller (<https://www.themaltmiller.co.uk/>).



9 EBC