

05 SMaSH Centennial - 5.3%

American Pale Ale

Author: My Plonk Beer

Type: All Grain

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

Pre-Boil Gravity : 1.036
Post-Boil Gravity: 1.048
Original Gravity : 1.051
Final Gravity : 1.011

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 - 2.42 ml - Calcium Chloride (CaCl₂) 33...
Mash - 0.85 g - Epsom Salt (MgSO₄)
Mash - 0.8 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

Yeast

0.5 pkg - Lallemend (LalBrew) New England

01 Brouwpunt 5L (60min) (rev 2)

Batch Size : 5.6 L
Boil Size : 7.99 L
Post-Boil V.: 5.99 L

Mash Water : 3.6 L
Sparge Water: 5.69 L
Boil Time : 60 min
Total Water : 9.29 L

Brewhouse Efficiency: 71.4%
Mash Efficiency : 73.3%

Mash Profile

01 One Step Mash (60 min)
73.3 °C - Strike Temp
67 °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 80

SO/Cl ratio: 1.5
Mash pH : 5.46

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