

07 SMaSH Simcoe - 6%

American Pale Ale

Author: The Thirsty Otter

Type: All Grain

IBU : 39 (Tinseth)
 Colour : 10 EBC
 Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.041
 Post-Boil Gravity : 1.054
 Original Gravity : 1.056
 Final Gravity : 1.010

Fermentables (1.33 kg)

1.325 kg - Maris Otter Pale Ale Malt 5.9 EBC...
 ^ Lot # 694-201130-111430-176081-1/1
 ^ The Malt Miller (UK) MAL-00-036
 30 g - Bottling - Sugar, Table (Sucrose) 2 EBC
 ^ Albert Heijn (NL)

Hops (30 g)

30 min - 5 g - Simcoe (T90) - 13.3% (25 IBU)
 ^ The Malt Miller (UK) HOP-05-004
 5 min - 5 g - Simcoe (T90) - 13.3% (9 IBU)
 ^ The Malt Miller (UK) HOP-05-004

Hop Stand

10 min hopstand @ 80 °C
 10 min - 10 g - Simcoe (T90) - 13.3% (5 IBU)

Dry Hops

Day 6 - 10 g - Simcoe (T90) - 13.3%

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
 Mash - 2 items - pH paper strips 5.2 - 6.8
 ^ Lot # 20200422/1
 ^ Brouwstore (NL) 013.075.7
 Sparge - 0.94 ml - Lactic Acid 80% 80%
 ^ Lot # 20200213
 ^ Brouwstore (NL) 003.002.3
 Sparge - 2 items - pH paper strips 5.2 - 6.8
 ^ Lot # 20200422/1
 ^ Brouwstore (NL) 013.075.7
 60 min - Boil - 0.15 g - Lipohop K
 ^ The Malt Miller (UK)
 10 min - Boil - 1 g - Irish Moss
 ^ Brouwstore (NL)
 10 min - Boil - 0.05 g - Servomyces
 ^ Brouwstore (NL)
 10 min - Boil - 1 items - Wort Chiller
 ^ Brouwstore (NL) 057.020.20
 Bottling - 15 items - 33 cl Steinie bottle (s...
 ^ Brouwstore (NL) 017.500.0

Yeast

0.5 pkg - Fermentis Safale American US-05

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

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

Mash Water : 3.97 L
 Sparge Water : 5.18 L

Boil Time : 60 min
 Total Water : 9.15 L

Brewhouse Efficiency: 71.8%
 Mash Efficiency: 73.3%



10 EBC

Mash Profile

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

Fermentation Profile

Ale
 20 °C - 14 days - Primary
 20 °C - 45 days - Conditioning

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 Gravity:

Post-Boil Kettle Volume:

Original Gravity:

Fermenter Top-Up:

Fermenter Volume:

Final Gravity:

Bottling Volume:

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Recipe Notes

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