

6 EBC

Winchester Pale Ale - 5.1%

American Pale Ale

Author: Fish Fingers@homebrewinguk.com

Type: All Grain

IBU : 29 (Tinseth)

BU/GU : 0.61 Colour : 6 EBC

Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.036 Original Gravity : 1.047 Final Gravity : 1.008

Fermentables (1.15 kg)

1.153 kg - Extra Pale Maris Otter 3.1 EBC (100%)

^ The Malt Miller (UK) MAL-00-040

Hops (58.6 g)

60 min - 5.2 g - Cascade (T90) - 7.5% (20 IBU)

^ Brouwmaatje (NL) BM-BL.053.148.3/100

Hop Stand

20 min hopstand @ 80 °C

20 min - 19 g - Cascade (T90) - 7.5% (9 IBU)

^ Brouwmaatje (NL) BM-BL.053.148.3/100

Dry Hops

5 days - 34.4 g - Mosaic - 11.6%

^ Hopeye (GB) HP-50G-HOPS-MOSIAC (50 grams)

Miscellaneous

Mash - 0.26 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 1.92 g - Calcium Chloride (CaCl2) 33 %...

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 0.25 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 0.55 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7

Mash - 2.05 g - Gypsum (CaSO4)

^ The Malt Miller (UK) CHE-03-004

Mash - 0.4 ml - Lactic Acid 80% 80% ^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

Yeast

0.3 pkg - Lallemand (LalBrew) Verdant IPA

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

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

Mash Water : 3.46 L Sparge Water : 5.53 L Boil Time : 60 min

Total Water : 8.99 L

Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

Mash Profile

01 One Step Mash (60 min)

71 °C - Strike Temp

65 °C - 60 min - Temperature

Fermentation Profile

01 Ale + DR + Conditioning

18 °C - 10 days - Primary

21 °C - 4 days - Diacetyl rest

18 °C - 14 days - Carbonation 18 °C - 28 days - Conditioning

Water Profile

02 NL Spa Reine Flat Mineral Water (www.ah.nl...

Ca 84 Mg 8 Na 22 Cl 67 SO 155 HCO 38

SO/Cl ratio: 2.3 Mash pH: 5.38 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: