

Nerdy Brewers - Dark Mode - 6.3%

American Porter

Author: Nerdy Brewers

Type: All Grain

IBU : 37 (Tinseth)
 BU/GU : 0.55
 Colour : 79 EBC
 Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.046
 Original Gravity : 1.067
 Final Gravity : 1.019

Fermentables (1.72 kg)

1.011 kg - Mash - Pale Malt, Maris Otter 5.9...
 335 g - Mash - PlatinumSwaen Smoke 5.9 EBC (1...
 139 g - Mash - Cara 120 MD 120 EBC (8.1%)
 103 g - Mash - Munich 10.8 EBC (6%)
 81 g - Mash - BlackSwaen Chocolate B 900 EBC...
 27 g - De-Bittered Black Malt 1400 EBC (1.6%)
 24 g - BlackSwaen Barley 1125 EBC (1.4%)

Hops (12.9 g)

60 min - 8.6 g - Styrian Golding 4.3 Alpha -...
 60 min - 4.3 g - Challenger - 10% (20 IBU)

Miscellaneous

Mash - 1.13 g - Baking Soda (NaHCO3)
 ^ Lot # 41190621/3
 ^ Brouwstore (NL) 003.106.2
 Mash - 3.04 g - Calcium Chloride (CaCl2) 33 %...
 ^ Lot # 115038
 ^ Brouwstore (NL) 055.035.0
 Mash - 1.12 g - Canning Salt (NaCl)
 ^ Albert Heijn (NL)
 Mash - 1.38 g - Epsom Salt (MgSO4)
 ^ Lot # /2119000091
 ^ Brouwstore (NL) 055.027.7
 Mash - 2.7 g - Gypsum (CaSO4)
 ^ The Malt Miller (UK) CHE-03-004
 10 min - Boil - 56 g - Lactose
 Secondary - 65 g - Cacao Nibs in Vodka

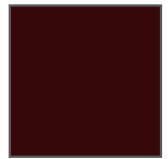
Yeast

0.7 pkg - Mangrove Jack's Empire Ale M15

01 Brouwpunt 5L (90min) (rev 4)

Batch Size : 5.6 L
 Boil Size : 8.66 L
 Post-Boil Vol : 5.96 L

Mash Water : 5.16 L
 Sparge Water : 5.27 L
 Boil Time : 90 min
 Total Water : 10.43 L



79 EBC

Brewhouse Efficiency: 71.8%
 Mash Efficiency: 73.3%

Mash Profile

67, 78. medium body
 73.3 °C - Strike Temp
 67 °C - 60 min - Amylaserust
 78 °C - 5 min - Uitmaischen

Fermentation Profile

Ale
 20 °C - 14 days - Primary

Water Profile

02 NL Spa Reine Flat Mineral Water (www.ah.nl...
 Ca 100 Mg 15 Na 75 Cl 132 SO 200

SO/Cl ratio: 1.5
 Mash pH: 5.4
 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:

Recipe Notes

Roast the cacao nibs at 150 C for 5 minutes.