

Provisional Ordinary Bitter (20220408) v3 - 3.8%

Ordinary Bitter

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Type: All Grain

IBU : 31 (Tinseth)
 BU/GU : 0.85
 Colour : 13 EBC
 Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.024
 Original Gravity : 1.035
 Total Gravity : 1.036
 Final Gravity : 1.007

Fermentables (877 g)

482 g - Golden Promise Pale Ale Malt 5 EBC (55%)
 ^ The Malt Miller (UK) MAL-00-034
 307 g - Pale Whale - Pale Malt 6 EBC (35%)
 ^ https://paulsmalt.co.uk/product/pale-whale-...
 44 g - Amber Malt 50 EBC (5%)
 ^ The Malt Miller (UK) MAL-02-000
 44 g - CaraWheat 120 EBC (5%)
 ^ The Malt Miller (UK) MAL-01-001
 15 g - Bottling - Sugar, Table (Sucrose) 2 EBC
 ^ Albert Heijn (NL)

Hops (29.5 g)

90 min - 2.5 g - Chinook - 11% (17 IBU)

Hop Stand

15 min hopstand @ 80 °C
 15 min - 17 g - Challenger (T90) - 7.2% (8 IBU)
 15 min - 10 g - First Gold (Whole) - 10.55% (...)

Miscellaneous

Mash - 0.31 g - Baking Soda (NaHCO3)
 ^ Lot # 41190621/3
 ^ Brouwstore (NL) 003.106.2
 Mash - 0.83 g - Calcium Chloride (CaCl2) 33 %...
 ^ Lot # 115038
 ^ Brouwstore (NL) 055.035.0
 Mash - 0.82 g - Canning Salt (NaCl)
 ^ Albert Heijn (NL)
 Mash - 1.27 g - Epsom Salt (MgSO4)
 ^ Lot # /2119000091
 ^ Brouwstore (NL) 055.027.7
 Mash - 1.63 g - Gypsum (CaSO4)
 ^ The Malt Miller (UK) CHE-03-004
 Mash - 0.1 ml - Lactic Acid 80% 80%
 ^ Lot # 20200213
 ^ Brouwstore (NL) 003.002.3

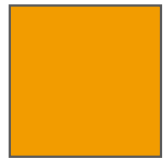
Yeast

0.25 pkg - White Labs California Ale WLP001
 0.25 pkg - Fermentis SafBrew Ale S-33
 ^ The Malt Miller (UK) YEA-02-028

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

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

Mash Water : 2.63 L
 Sparge Water : 6.99 L
 Boil Time : 90 min
 Total Water : 9.62 L



13 EBC

Brewhouse Efficiency: 71.8%
 Mash Efficiency: 73.3%

Mash Profile

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

Fermentation Profile

01 Ale + DR + Conditioning
 18 °C - 10 days - Primary
 20 °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 55 Mg 15 Na 45 Cl 75 SO 150

SO/Cl ratio: 2

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:

Provisional Ordinary Bitter (202204...

Recipe Notes

Target: ABV = 3.7%, IBU = 43, EBC = 13, OG = 1.036, FG = 1.008.