

15 EBC

Bitterexit - 4.5%

Best Bitter Author: Michael Woolthuis

Type: All Grain

IBU : 40 (Tinseth)

BU/GU : 0.86 Colour : 15 EBC Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.034 : 1.047 Original Gravity Final Gravity : 1.013

Fermentables (1.15 kg)

983 g - Pale Ale Malt 8.5 EBC (85.4%)

^ Lot # 20210909

^ Brouwmaatje (NL) 051.011.5

112 g - Wheat Malt 5.5 EBC (9.7%)

^ Lot # 20210909

^ Brouwmaatje (NL) 051.125.3

56 g - Caramunich I 101 EBC (4.9%)

Hops (19.5 g)

75 min - 10.5 g - Goldings - 5.6% (31 IBU)

^ Hopeye (GB) HE-50G-HOPS-GOLDINGS (50 grams)

15 min - 4.5 g - Goldings - 5.6% (6 IBU) ^ Hopeye (GB) HE-50G-HOPS-GOLDINGS (50 grams)

5 min - 4.5 g - Goldings - 5.6% (3 IBU)

^ Hopeye (GB) HE-50G-HOPS-GOLDINGS (50 grams)

Miscellaneous

Mash - 0.31 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 0.81 g - Calcium Chloride (CaCl2) 33 %...

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 0.81 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 1.24 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7

Mash - 1.6 g - Gypsum (CaSO4)

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

Mash - 0.5 ml - Lactic Acid 80% 80%

^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

0.4 pkg - Lallemand (LalBrew) London ^ Brouwmaatje (NL) BM-BL.050.616.2

01 Brouwpunt 5L (75min) (rev 4)

Batch Size : 5.6 L Boil Size : 8.21 L

Post-Boil Vol : 5.96 L

Mash Water : 3.45 L Sparge Water : 5.98 L

: 75 min Boil Time Total Water : 9.43 L

Brewhouse Efficiency: 71.8%

Mash Efficiency: 73.3%

Mash Profile

01 One Step Mash (60 min)

72.1 °C - Strike Temp

66 °C - 60 min - Temperature

78 °C - 2 min - Mash out

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 55 Mg 15 Na 46 Cl 75 SO 150

SO/Cl ratio: 2 Mash pH: 5.34 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

Target: ABV = 5.0 %, IBU = 41.0, EBC = 19.0, OG = 1.046, FG = 1.010.

https://www.twortwat.nl/recepten?id=327