

10 EBC

## Gungnir Golden Ale - 4.1%

01 Brouwpunt 5L (60min) (rev 4) British Golden Ale Author: Miðgarð Brewhouse (Cawood, North York... Batch Size : 5.6 L : 7.76 L Boil Size Post-Boil Vol : 5.96 L

Type: All Grain

: 34 (Tinseth) BU/GU : 0.79 Sparge Water Colour : 10 EBC Boil Time Carbonation : 2.5 CO2-vol Total Water

Pre-Boil Gravity : 1.032 Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

: 1.042 Original Gravity Total Gravity : 1.043 : 1.012 Final Gravity

Fermentables (1.06 kg)

849 g - Finest Pale Ale Golden Promise 4.7 EB... 106 g - Cara Gold malt 27.5 EBC (10%)

106 g - Torrefied Wheat 5.9 EBC (10%) 20 g - Bottling - Sugar, Table (Sucrose) 2 EBC

^ Albert Heijn (NL)

Hops (49.1 g)

IBU

60 min - 4.1 g - Ernest - 5.6% (12 IBU) 15 min - 10 g - Ernest - 5.6% (14 IBU) 7 min - 10 g - Ernest - 5.6% (8 IBU)

Dry Hops

5 days - 25 g - Ernest - 5.6%

Miscellaneous

Mash - 0.64 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 1.17 g - Calcium Chloride (CaCl2) 33 %...

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 0.62 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 1.17 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7

Mash - 2.31 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

Yeast

0.3 pkg - NBS NBS Classic English Ale Yeast

Mash Water : 3.18 L : 5.72 L : 60 min

: 8.9 L

Mash Profile Mash Steps

72.1 °C - Strike Temp 66 °C - 60 min - Infusion 72 °C - 30 min - Infusion

Fermentation Profile

Imported

18.5 °C - 0 days - Primary

Water Profile

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

Ca 81 Mg 15 Na 50 Cl 75 SO 200

SO/Cl ratio: 2.7 Mash pH: 5.39

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

+300g oat husks in mash. Stir mash 15 minutes in. Hop spider.