

Williams Brothers Brewing Co - Midnight Sun (clone) v2 - 5.5%

British Brown Ale

Author: Theo

Type: All Grain

IBU : 21 (Tinseth)
BU/GU : 0.35
Colour : 64 EBC
Carbonation : 1.8 CO2-vol

Pre-Boil Gravity : 1.045
Original Gravity : 1.058
Final Gravity : 1.016

Fermentables (1.47 kg)

1.264 kg - Lager 2.8 EBC (86.3%)
72 g - Malted Naked Oats 2.6 EBC (4.9%)
72 g - Roasted Barley 1085 EBC (4.9%)
57 g - Chocolate Malt 665 EBC (3.9%)

Hops (11.5 g)

60 min - 5.7 g - First Gold (Whole) - 7.5% (1...
5 min - 2.9 g - Cascade (Whole) - 7% (2 IBU)
5 min - 2.9 g - Savinjski Goldings (Whole) - ...

Miscellaneous

Mash - 0.76 g - Calcium Chloride (CaCl2) 33 %...
^ Lot # 115038
^ Brouwstore (NL) 055.035.0
Mash - 0.64 g - Canning Salt (NaCl)
^ Albert Heijn (NL)
Mash - 0.38 g - Epsom Salt (MgSO4)
^ Lot # /2119000091
^ Brouwstore (NL) 055.027.7
Mash - 0.6 g - Gypsum (CaSO4)
^ The Malt Miller (UK) CHE-03-004
Mash - 0.6 ml - Lactic Acid 80% 80%
^ Lot # 20200213
^ Brouwstore (NL) 003.002.3
5 min - Boil - 8.842 g - Ginger

Yeast

0.5 pkg - White Labs British Ale Yeast WLP005...

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

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

Mash Water : 4.4 L
Sparge Water : 4.89 L
Boil Time : 60 min
Total Water : 9.29 L



64 EBC

Brewhouse Efficiency: 71.8%
Mash Efficiency: 73.3%

Mash Profile

Mash Steps
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 30 Mg 6 Na 30 Cl 64 SO 56 HCO 17

SO/Cl ratio: 0.9
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

Target: ABV = 5.6 %, IBU = 22.1, SRM = 33.4, OG = 1.058, FG = 1.016.

<https://www.brewersfriend.com/homebrew/recipe/view/531565/williams-brothers-midnight-sun>