

21 EBC

Whitehorse Brewery - Wayward Smithy v1 - 4.5%

Best Bitter

Author: EspeciallyBitter@homebrewinguk.com

Type: All Grain

IBU : 32 (Tinseth) BU/GU : 0.73

Colour : 21 EBC Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.034 : 1.044 Original Gravity : 1.010 Final Gravity

Fermentables (1.09 kg)

517 g - Maris Otter 5.5 EBC (47.6%) ^ The Malt Miller (UK) MAL-00-038 517 g - Pale Moon 7.9 EBC (47.6%) ^ https://www.blacklandsmalt.com/malts/ 39 g - Dark Crystal Malt 240 EBC (3.6%) ^ The Malt Miller (UK) MAL-01-002 14 g - Chocolate Malt 950 EBC (1.3%) ^ The Malt Miller (UK) MAL-02-004

Hops (14.2 g)

60 min - 4.1 g - First Gold (T90) - 7.5% (16...

^ The Malt Miller (UK) HOP-04-006

20 min - 4.2 g - First Gold (T90) - 7.5% (9 IBU)

^ The Malt Miller (UK) HOP-04-006

10 min - 5.9 g - Bramling Cross - 7% (7 IBU)

^ The Malt Miller (UK) HOP-04-004

Miscellaneous

Mash - 0.63 g - Baking Soda (NaHCO3)

^ Lot # 41190621/3

^ Brouwstore (NL) 003.106.2

Mash - 1.15 g - Calcium Chloride (CaCl2) 33 %... Pre-Boil Gravity:

^ Lot # 115038

^ Brouwstore (NL) 055.035.0

Mash - 0.63 g - Canning Salt (NaCl)

^ Albert Heijn (NL)

Mash - 1.18 g - Epsom Salt (MgSO4)

^ Lot # /2119000091

^ Brouwstore (NL) 055.027.7 Mash - 1.51 g - Gypsum (CaSO4) ^ The Malt Miller (UK) CHE-03-004

Mash - 0.4 ml - Lactic Acid 80% 80%

^ Lot # 20200213

^ Brouwstore (NL) 003.002.3

Yeast

0.5 pkg - Wyeast Labs Thames Valley Ale 1275

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

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

Mash Water : 3.26 L Sparge Water : 5.66 L Boil Time : 60 min Total Water : 8.92 L

Brewhouse Efficiency: 71.8% Mash Efficiency: 73.3%

Mash Profile

01 One Step Mash (90 min) 72.1 °C - Strike Temp

66 °C - 90 min - Temperature

Fermentation Profile

Ale

20 °C - 14 days - Primary

Water Profile

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

Ca 60 Mg 15 Na 50 Cl 75 SO 150 HCO 67

SO/Cl ratio: 2 Mash pH: 5.39 Sparge pH: 6

Measurements

Mash pH:

Boil Volume:

Post-Boil Kettle Volume:

Original Gravity:

Fermenter Top-Up:

Fermenter Volume:

Final Gravity:

Bottling Volume:

Recipe Notes

Target: ABV = 4.4 %, IBU = 32, EBC = 40, OG = 1.044, FG = 1.011. https://whitehorsebrewery.co.uk/product/wayland-smithy-4-4/