

## 74 Wet Hops Blonde Ale (Bramling-X) - 4.3%

### Blonde Ale

Author: The Thirsty Otter

Type: All Grain

IBU : 22 (Tinseth)  
 BU/GU : 0.5  
 Colour : 10 EBC  
 Carbonation : 2.4 CO2-vol

Pre-Boil Gravity : 1.031  
 Original Gravity : 1.041  
 Total Gravity : 1.043  
 Final Gravity : 1.010

### Fermentables (1 kg)

750 g - Pale Ale Malt 8.5 EBC (75%)  
 ^ Lot # 20210909  
 ^ Brouwmaatje (NL) 051.011.5  
 200 g - Pils 3.5 EBC (20%)  
 ^ Lot # 20210710  
 ^ Brouwmaatje (NL) 051.002.4  
 50 g - Wheat Malt 5.5 EBC (5%)  
 ^ Lot # 20210909  
 ^ Brouwmaatje (NL)  
 30 g - Bottling - Sugar, Table (Sucrose) 2 EBC  
 ^ Albert Heijn (NL)

### Hops (160 g)

20 min - 30 g - Bramling Cross (green hops) (...)  
 ^ Home grown by The Thirsty Otter  
 10 min - 30 g - Bramling Cross (green hops) (...)  
 ^ Home grown by The Thirsty Otter

### Hop Stand

15 min hopstand @ 80 °C  
 15 min - 100 g - Bramling Cross (green hops)...  
 ^ Home grown by The Thirsty Otter

### Miscellaneous

Mash - 0.29 g - Baking Soda (NaHCO3)  
 ^ Lot # 41190621/3  
 ^ Brouwstore (NL) 003.106.2  
 Mash - 0.76 g - Calcium Chloride (CaCl2) 33 %...  
 ^ Lot # 115038  
 ^ Brouwstore (NL) 055.035.0  
 Mash - 0.76 g - Canning Salt (NaCl)  
 ^ Albert Heijn (NL)  
 Mash - 1.17 g - Epsom Salt (MgSO4)  
 ^ Lot # /2119000091  
 ^ Brouwstore (NL) 055.027.7  
 Mash - 1.5 g - Gypsum (CaSO4)  
 ^ Brouwmaatje (NL)  
 Mash - 0.4 ml - Lactic Acid 80% 80%  
 ^ Lot # 20200213  
 ^ Brouwstore (NL) 003.002.3  
 Mash - 5.84 l - NL Spa Reine Flat Mineral Water  
 ^ Lot # 20220704  
 ^ AH (NL)  
 Mash - 3 l - NL Spa Reine Flat Mineral Water  
 ^ Lot # 20220704  
 ^ AH (NL)  
 60 min - Boil - 0.15 g - Lipohop K  
 ^ Lot # LPK110  
 ^ The Malt Miller (UK) CH-03-013

### 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 L  
 Sparge Water : 5.84 L  
 Boil Time : 60 min  
 Total Water : 8.84 L



10 EBC

Brewhouse Efficiency: 71.8%  
 Mash Efficiency: 73.3%

### Mash Profile

01 One Step Mash (60 min)  
 71 °C - Strike Temp  
 65 °C - 60 min - Temperature  
 75 °C - 10 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: 5.38  
 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:

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## Recipe Notes

Pitch 3 grams yeast @ 18 C.