

#57 Barley Wine 2

English Barleywine (19 B)

Type: All Grain
Batch Size: 22,00 l
Boil Size: 25,81 l
Boil Time: 60 min
End of Boil Vol: 23,92 l
Final Bottling Vol: 21,20 l
Fermentation: Ale, Single Stage

Date: 23 Nov 2013
Brewer: Thomas Nørgaard
Asst Brewer:
Equipment: 50L gryde
Efficiency: 84,00 %
Est Mash Efficiency: 87,8 %
Taste Rating: 30,0

**Taste Notes:**

Ingredients

Amt	Name	Type	#	%/IBU
6,00 kg	DMG Pilsner (4,0 EBC)	Grain	1	63,8 %
1,25 kg	DMG München (15,0 EBC)	Grain	2	13,3 %
0,50 kg	Biscuit Malt (45,3 EBC)	Grain	3	5,3 %
0,50 kg	Cara Hell (25,0 EBC)	Grain	4	5,3 %
0,25 kg	Aromamalt (Castle Malting) (100,0 EBC)	Grain	5	2,7 %
0,25 kg	Special B Malt (354,6 EBC)	Grain	6	2,7 %
0,15 kg	Smoked Malt (Weyermann) (3,9 EBC)	Grain	7	1,6 %
18,00 g	Agnus [12,50 %] - Boil 60,0 min	Hop	8	17,7 IBUs
20,00 g	Zladek [8,00 %] - Boil 30,0 min	Hop	9	9,7 IBUs
1,00 tsp	Irish Moss (Boil 10,0 mins)	Fining	10	-
80,00 g	Prima Donna [5,00 %] - Boil 10,0 min	Hop	11	10,4 IBUs
111,00 g	BrewBody (Boil 5,0 mins)	Other	12	-
1,0 pkg	British Ale (White Labs #WLP005) [35,49 ml]	Yeast	13	-
1,00 tsp	Yeast Nutrient (Primary 3,0 days)	Other	14	-
0,50 kg	Belgian Candi Sugar Rocks (450,0 EBC)	Sugar	15	5,3 %

Gravity, Alcohol Content and Color

Est Original Gravity: 1,107 SG
Est Final Gravity: 1,028 SG
Estimated Alcohol by Vol: 10,6 %
Bitterness: 37,7 IBUs
Est Color: 57,8 EBC

Measured Original Gravity: 1,103 SG
Measured Final Gravity: 1,021 SG
Actual Alcohol by Vol: 10,9 %
Calories: 1022,2 kcal/l

Mash Profile

Mash Name: Decoction Mash, Single
Sparge Water: 3,69 l
Sparge Temperature: 75,6 C
Adjust Temp for Equipment: FALSE

Total Grain Weight: 9,40 kg
Grain Temperature: 22,2 C
Tun Temperature: 22,2 C
Mash PH: 5,10

Mash Steps

Name	Description	Step Temperature	Step Time
Protein Rest	Add 32,03 l of water at 52,9 C	50,0 C	35 min
Saccharification	Decoct 13,45 l of mash and boil it	67,8 C	45 min
Mash Out	Heat to 75,6 C over 10 min	75,6 C	10 min

Sparge: Fly sparge with 3,69 l water at 75,6 C

Mash Notes: Used in some authentic German styles. Attempt to draw decoction from the thickest portion of the mash. Profiles vary. Some traditional German mashes use a long acid rest at 40 deg C. Also some sources recommend the decoction amount be given a 15 minute saccharification rest at 158 F (70 C) before boiling it.

Carbonation and Storage

Carbonation Type: Keg
Pressure/Weight: 12,54 PSI
Keg/Bottling Temperature: 7,2 C
Fermentation: Ale, Single Stage

Volumes of CO2: 2,3
Carbonation Used: Keg with 12,54 PSI
Age for: 30,00 days
Storage Temperature: 18,3 C

Notes

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