

# B085: Noël 2013

*Dubbel*

**Type:** All Grain

**Batch Size (fermenter):** 114,00 l

**Boil Size:** 126,68 l

**Boil Time:** 60 min

**End of Boil Volume:** 121,68 l

**Final Bottling Volume:** 108,00 l

**Fermentation:** My Aging Profile

**Taste Notes:**

**Date:** 20-07-2013

**Brewer:** Erik Borg

**Asst Brewer:** Henning, Irene og Annette

**Equipment:** Eriks ny udstyr 108 l

**Brewhouse Efficiency:** 78,00 %

**Est Mash Efficiency:** 80,4 %

**Taste Rating(out of 50):** 35,0

## Ingredients

### Ingredients

Amt	Name	Type	#	%/IBU
20,00 kg	Pilsner (Fuglsang) (3,6 EBC)	Grain	1	61,3 %
2,30 kg	Caraaroma (Weyermann) (350,0 EBC)	Grain	2	7,0 %
2,30 kg	Carahell (Weyermann) (25,6 EBC)	Grain	3	7,0 %
1,75 kg	Caramunich II (Weyermann) (120,0 EBC)	Grain	4	5,4 %
1,30 kg	Barley, Flaked (3,3 EBC)	Grain	5	4,0 %
0,75 kg	Chocolate Malt Pale (Thomas Fawcett) (550,0 EBC)	Grain	6	2,3 %
0,25 kg	Chocolate Rye (Weyermann) (650,0 EBC)	Grain	7	0,8 %
2,50 kg	Candi Sugar, Dark (541,8 EBC)	Sugar	8	7,7 %
1,50 kg	Muscovado, Light (100,0 EBC)	Sugar	9	4,6 %
200,0 g	Hallertauer Northern Brewer [10,50 %] - Boil 60,0 min	Hop	10	36,1 IBUs
70,0 g	Hallertauer Hersbrucker [3,00 %] - Boil 15,0 min	Hop	11	1,8 IBUs
260,00 g	Raisin (Boil 15,0 mins)	Spice	12	-
200,00 g	Almond, hole (Boil 15,0 mins)	Spice	13	-
150,00 g	Orange Peel, Bitter (Boil 15,0 mins)	Spice	14	-
15,00 g	Anise, Star (Boil 15,0 mins)	Spice	15	-
10,00 g	Licorice, root (Boil 15,0 mins)	Spice	16	-
43,00 g	Klar urt (Boil 10,0 mins)	Fining	17	-
23,00 g	Servomyces Mix (Boil 10,0 mins)	Other	18	-
0,50 l	Rom, mørk (Boil 0,0 mins)	Flavor	19	-
11,40 kg	Flaskegas (kun for omkostningsberegning) (Boil 0,0 mins)	Other	20	-
1,0 pkg	SafBrew Ale (DCL/Fermentis #S-33, 94g) [24 ml]	Yeast	21	-

## Beer Profile

**Est Original Gravity:** 1,070 SG

**Est Final Gravity:** 1,011 SG

**Estimated Alcohol by Vol:** 7,8 %

**Bitterness:** 37,9 IBUs

**Est Color:** 77,0 EBC

**Measured Original Gravity:** 1,066 SG

**Measured Final Gravity:** 1,016 SG

**Actual Alcohol by Vol:** 6,6 %

**Calories:** 630,2 kcal/l

## Mash Profile

**Mash Name:** Mæskeprogram

**Sparge Water:** 69,43 l

**Total Grain Weight:** 32,65 kg

**Grain Temperature:** 20,0 C

**Sparge Temperature:** 78,0 C**Tun Temperature:** 73,0 C**Adjust Temp for Equipment:** FALSE**Mash PH:** 5,20**Mash Steps**

<b>Name</b>	<b>Description</b>	<b>Step Temperature</b>	<b>Step Time</b>
Forsukring	Add 85,94 l of water at 71,8 C	66,0 C	60 min
Udmæskning	Heat to 78,0 C over 15 min	78,0 C	10 min

**Sparge Step:** Fly sparge with 69,43 l water at 78,0 C**Mash Notes:****Carbonation and Storage****Carbonation Type:** Keg**Volumes of CO2:** 2,7**Pressure/Weight:** 2,28 bar**Carbonation Used:** Keg with 2,28 bar**Keg/Bottling Temperature:** 22,0 C**Age for:** 98,00 days**Fermentation:** My Aging Profile**Storage Temperature:** 3,0 C**Notes**

Remove from inventory foretaget

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