Wino

- Gravity 13.8 BLG ABV 5.7 %
- IBU **18**
- SRM 4.5

Batch size

- Expected quantity of finished beer 19 liter(s)
- Trub loss 7 %
- Size with trub loss 21.7 liter(s)
- Boil time 70 min
- Evaporation rate 9 %/h
- Boil size 26.1 liter(s)

Mash information

- Mash efficiency 65 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 22.8 liter(s)
- Total mash volume 29.3 liter(s)

Steps

• Temp 64 C, Time 65 min

Mash step by step

- Heat up 22.8 liter(s) of strike water to 70.3C
- Add grains
- Keep mash 65 min at 64C
- Sparge using 9.8 liter(s) of 76C water or to achieve 26.1 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilsner (2 Row) Ger	5 kg <i>(76.9%)</i>	81 %	4
Grain	Briess - Pale Ale Malt	1 kg <i>(15.4%)</i>	80 %	7
Grain	Rice, Flaked	0.5 kg <i>(7.7%)</i>	70 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	10 g	60 min	7 %
Boil	Challenger	10 g	20 min	7 %
Boil	Nelson Sauvin	10 g	10 min	11 %
Boil	Nelson Sauvin	10 g	5 min	11 %
Dry Hop	Nelson Sauvin	80 g	4 day(s)	11 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Wyeast - London ESB Ale	Ale	Liquid	100 ml	Wyeast Labs