warka1

- · Gravity 11 BLG
- ABV ----
- IBU **52**
- SRM **5.2**
- Style German Pilsner (Pils)

Batch size

- Expected quantity of finished beer 8 liter(s)
- Trub loss 5 %
- Size with trub loss 8.4 liter(s)
- Boil time 65 min
- Evaporation rate 10 %/h
- Boil size 10.2 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg Mash size 5.3 liter(s)
- Total mash volume 7 liter(s)

Steps

- Temp 65 C, Time 45 min
 Temp 73 C, Time 20 min

Mash step by step

- Heat up 5.3 liter(s) of strike water to 72.5C
- Add grains
- Keep mash 45 min at 65C
- Keep mash 20 min at 73C
- Sparge using 6.7 liter(s) of 76C water or to achieve 10.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	1.2 kg <i>(68.2%)</i>	80 %	7
Grain	Monachijski	0.4 kg <i>(22.7%)</i>	80 %	16
Grain	Bestmalz Carmel Pils	0.16 kg <i>(9.1%)</i>	75 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	16 g	10 min	4 %
Boil	Magnum	12 g	50 min	13.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Gozdawa Pure Ale Yeast 7	Ale	Dry	8.8 g	