warka 47

- Gravity 12.6 BLG
- ABV **5.1** %
- IBU **20**
- SRM 4
- Style Bohemian Pilsener

Batch size

- Expected quantity of finished beer 22 liter(s)
- Trub loss 5 %
- Size with trub loss 23.1 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 27.8 liter(s)

Mash information

- Mash efficiency **75** %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 17.1 liter(s)
- Total mash volume 22.8 liter(s)

Steps

- Temp 62 C, Time 30 min
 Temp 72 C, Time 40 min

Mash step by step

- Heat up 17.1 liter(s) of strike water to 69C
- Add grains
- Keep mash 30 min at 62C
- Keep mash 40 min at 72C
- Sparge using 16.4 liter(s) of 76C water or to achieve 27.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pale Ale Malt	1 kg <i>(17.5%)</i>	80 %	7
Grain	lager hook	4.5 kg <i>(78.9%)</i>	78 %	4
Grain	Oats, Flaked	0.2 kg <i>(3.5%)</i>	80 %	2

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (USA)	40 g	45 min	3.75 %
Boil	Mosaic	20 g	7 min	11 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Slant	100 ml	Safale