Pils

- Gravity 12.1 BLG
- ABV 4.9 %
- IBU **24**
- SRM 4.5

Batch size

- Expected quantity of finished beer 23 liter(s)
- Trub loss 5 %
- Size with trub loss 24.1 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 29 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 4 liter(s) / kg
- Mash size 22 liter(s)
- Total mash volume 27.5 liter(s)

Steps

• Temp 67 C, Time 60 min

Mash step by step

- Heat up 22 liter(s) of strike water to 72.9C
- · Add grains
- Keep mash 60 min at 67C
- Sparge using 12.5 liter(s) of 76C water or to achieve 29 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	4.5 kg (81.8%)	81 %	4
Grain	Monachijski	1 kg (18.2%)	80 %	16

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	15 g	60 min	10.5 %
Boil	Saaz (Czech Republic)	25 g	20 min	4.5 %
Boil	Saaz (Czech Republic)	25 g	5 min	4.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
w34/70	Lager	Dry	22 g	