Pils - 13 BLG

- Gravity 12.6 BLG
- ABV **5.1** %
- IBU 33
- SRM **4.5**
- Style German Pilsner (Pils)

Batch size

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 25.3 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 15 liter(s)
- Total mash volume 20 liter(s)

Steps

- Temp 50 C, Time 10 min
 Temp 62 C, Time 20 min
- Temp 72 C, Time 40 min

Mash step by step

- Heat up 15 liter(s) of strike water to 55C
- Add grains
- Keep mash 10 min at 50C
- Keep mash 20 min at 62C
- Keep mash 40 min at 72C
- Sparge using 15.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	4.5 kg <i>(90%)</i>	81 %	5
Grain	Weyermann - Light Munich Malt	0.5 kg <i>(10%)</i>	82 %	14

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka - szyszki	30 g	60 min	8 %
Boil	Lublin (Lubelski)	30 g	15 min	4 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	23 g	Fermentis