Pils Tradition - 12blg

- Gravity 12.1 BLG
- ABV 4.9 %
- IBU 25
- SRM **4**
- Style German Pilsner (Pils)

Batch size

- Expected quantity of finished beer 22 liter(s)
- Trub loss 5 %
- Size with trub loss 23.1 liter(s)
- · Boil time 80 min
- Evaporation rate 10 %/h
- Boil size 28.7 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 18.6 liter(s)
- Total mash volume 23.9 liter(s)

Steps

- Temp **50 C**, Time **0 min** Temp **54 C**, Time **10 min** Temp **65 C**, Time **50 min**
- Temp **72 C**, Time **10 min**

Mash step by step

- Heat up 18.6 liter(s) of strike water to 54.3C
- Add grains
- Keep mash 0 min at 50C
- Keep mash 10 min at 54C
- Keep mash 50 min at 65C
- Keep mash 10 min at 72C
- Sparge using 15.4 liter(s) of 76C water or to achieve 28.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	4.3 kg (81.1%)	81 %	4
Grain	Monachijski	0.5 kg <i>(9.4%)</i>	80 %	16
Grain	Briess - Carapils Malt	0.5 kg <i>(9.4%)</i>	74 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Tradition	30 g	60 min	5 %
Aroma (end of boil)	Hallertau Tradition	25 g	15 min	5 %
Whirlpool	Hallertau Tradition	20 g	30 min	5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Gozdawa - W35 German Lager	Lager	Dry	10 g	Gozdawa