Pils włoski

- Gravity 12.1 BLG
- ABV 4.9 %
- IBU **20**
- SRM **3.7**
- Style Bohemian Pilsener

Batch size

- Expected quantity of finished beer 21 liter(s)
- Trub loss 5 %
- Size with trub loss 22.1 liter(s)
- · Boil time 60 min
- Evaporation rate 20.5 %/h
- Boil size 28.1 liter(s)

Mash information

- Mash efficiency 72 %
- Liquor-to-grist ratio 3.56 liter(s) / kg
- Mash size 18 liter(s)
- Total mash volume 23 liter(s)

Steps

- Temp **62 C**, Time **45 min** Temp **72 C**, Time **20 min**
- Temp 78 C, Time 5 min

Mash step by step

- Heat up 18 liter(s) of strike water to 67.9C
- Add grains
- Keep mash 45 min at 62C
- Keep mash 20 min at 72C
- Keep mash 5 min at 78C
- Sparge using 15.2 liter(s) of 76C water or to achieve 28.1 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	4.5 kg (89.1%)	81 %	4
Grain	Pszeniczny	0.2 kg <i>(4%)</i>	85 %	4
Grain	Weyermann - Carapils	0.25 kg <i>(5%)</i>	78 %	4
Grain	Weyermann - Acidulated Malt	0.1 kg <i>(2%)</i>	80 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Puławski	30 g	70 min	4.3 %
Aroma (end of boil)	Sybilla	20 g	15 min	3.5 %
Aroma (end of boil)	Hallertau Spalt Select	10 g	15 min	3.4 %
Aroma (end of boil)	Hallertau Spalt Select	30 g	0 min	3.4 %
Dry Hop	Hallertau Spalt Select	50 g	2 day(s)	3.4 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Fermentis