PILS

- Gravity 11.9 BLG
- ABV 4.8 %
- IBU 23
- SRM **2.6**
- Style Vienna Lager

Batch size

- Expected quantity of finished beer 23 liter(s)
- Trub loss 5 %
- Size with trub loss 25.1 liter(s)
- · Boil time 75 min
- Evaporation rate 15 %/h
- Boil size **34.2 liter(s)**

Mash information

- Mash efficiency 78 %
- Liquor-to-grist ratio 5 liter(s) / kg
- Mash size 28.5 liter(s)
- Total mash volume 34.2 liter(s)

Steps

- Temp **52** C, Time **10** min Temp **62** C, Time **45** min Temp **72** C, Time **15** min
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up 28.5 liter(s) of strike water to 55.2C
- Add grains
- Keep mash 10 min at 52C
- Keep mash 45 min at 62C
- Keep mash 15 min at 72C
- Keep mash 5 min at 78C
- Sparge using 11.4 liter(s) of 76C water or to achieve 34.2 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Briess - Pilsen Malt	5 kg <i>(87.7%)</i>	80.5 %	2
Grain	Briess - Carapils Malt	0.7 kg <i>(12.3%)</i>	74 %	3

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Puławski	15 g	60 min	8 %
Whirlpool	Puławski 80*	45 g	30 min	8 %

Yeasts

Name	Туре	Form	Amount	Laboratory
safale w34/70	Lager	Dry	11.5 g	safale

Extras

Туре	Name	Amount	Use for	Time
Fining	IRISH MOSS	5 g	Boil	10 min