

pils_PL

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **42**
- SRM **3.7**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **8 %/h**
- Boil size **26.9 liter(s)**

Mash information

- Mash efficiency **96 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18 liter(s)**

Steps

- Temp **51 C**, Time **15 min**
- Temp **68 C**, Time **60 min**

Mash step by step

- Heat up **14 liter(s)** of strike water to **55.4C**
- Add grains
- Keep mash **15 min** at **51C**
- Keep mash **60 min** at **68C**
- Sparge using **16.9 liter(s)** of **76C** water or to achieve **26.9 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Bohemian Pilsner Malt	2 kg (50%)	81 %	4
Grain	Weyermann - Vienna Malt	2 kg (50%)	81 %	8

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Perle	50 g	45 min	5.7 %
Boil	Lublin (Lubelski)	25 g	20 min	5.8 %
Boil	Lublin (Lubelski)	25 g	10 min	5.8 %