

Pils 2

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **38**
- SRM **3.2**

Batch size

- Expected quantity of finished beer **29 liter(s)**
- Trub loss **5 %**
- Size with trub loss **30.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **35.1 liter(s)**

Mash information

- Mash efficiency **83 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

Steps

- Temp **70 C**, Time **50 min**

Mash step by step

- Heat up **18 liter(s)** of strike water to **78.3C**
- Add grains
- Keep mash **50 min** at **70C**
- Sparge using **23.1 liter(s)** of **76C** water or to achieve **35.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	6 kg (100%)	81 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Aroma (end of boil)	Lublin (Lubelski)	60 g	15 min	4 %
Boil	Marynka	30 g	60 min	10 %
Boil	Magnum	5 g	60 min	13.5 %

Yeasts

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