

Pilsner

- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **39**
- SRM **3.6**
- Style **German Pilsner (Pils)**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss --- %
- Size with trub loss **15 liter(s)**
- Boil time **90 min**
- Evaporation rate **15 %/h**
- Boil size **20.2 liter(s)**

Mash information

- Mash efficiency **76 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.5 liter(s)**
- Total mash volume **14 liter(s)**

Steps

- Temp **66 C**, Time **70 min**

Mash step by step

- Heat up **10.5 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **70 min** at **66C**
- Sparge using **13.2 liter(s)** of **76C** water or to achieve **20.2 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	3.5 kg (100%)	80 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	60 min	7.3 %
Boil	Oktawia	20 g	15 min	7.8 %
Boil	Oktawia	20 g	5 min	7.8 %
Boil	Oktawia	10 g	0 min	7.8 %
Boil	Sybilla	10 g	0 min	6.3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Lager	Dry	22 g	Fermentis Division of S.I.Lesaffre