

Pils polski

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **37**
- SRM **3.5**
- Style **German Pilsner (Pils)**

Batch size

- Expected quantity of finished beer **28 liter(s)**
- Trub loss **5 %**
- Size with trub loss **29.4 liter(s)**
- Boil time **90 min**
- Evaporation rate **8 %/h**
- Boil size **36.1 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.1 liter(s)**
- Total mash volume **22.8 liter(s)**

Steps

- Temp **65 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **17.1 liter(s)** of strike water to **72.5C**
- Add grains
- Keep mash **30 min** at **65C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **24.7 liter(s)** of **76C** water or to achieve **36.1 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (87.7%)	85 %	4
Grain	Strzegom Monachijski typ I	0.3 kg (5.3%)	79 %	16
Grain	Weyermann - Carapils	0.3 kg (5.3%)	78 %	4
Grain	Acid Malt	0.1 kg (1.8%)	58.7 %	6

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Premiant	50 g	60 min	8.4 %
Boil	Saaz (Czech Republic)	15 g	25 min	3 %
Boil	Saaz (Czech Republic)	15 g	5 min	3 %

Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Lager	Dry	23 g	Fermentis

Notes

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

- Gotowanie łącznie 90 minut. Burzliwa 2 tyg, lagerowanie 2 tyg.
Oct 10, 2023, 3:11 PM