

# Pils pszeniczny na niemieckim chmielu

- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **34**
- SRM **3.9**
- Style **Bohemian Pilsener**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

## Steps

- Temp **66 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **17.5 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **20 min** at **66C**
- Keep mash **40 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **19.2 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	4 kg (80%)	80 %	4
Grain	Pszeniczny	0.5 kg (10%)	85 %	4
Grain	Strzegom Monachijski typ II	0.5 kg (10%)	79 %	25

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Blanc	30 g	60 min	9 %
Boil	Tettanger Blanc	25 g	15 min	3.9 %
Boil	Tettanger Blanc	25 g	5 min	3.9 %
Whirlpool	Tettanger Blanc	50 g	5 min	3.9 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM30 Bohemska rapsodia	Lager	Slant	200 ml	---