

# Pilzner

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- Gravity **12.6 BLG**
- ABV ---
- IBU **28**
- SRM **3.7**
- Style **German Pilsner (Pils)**

## Batch size

- Expected quantity of finished beer **48 liter(s)**
- Trub loss **5 %**
- Size with trub loss **50.4 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **60.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **36 liter(s)**
- Total mash volume **48 liter(s)**

## Steps

- Temp **63 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **36 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **36.7 liter(s)** of **76C** water or to achieve **60.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	12 kg (100%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Kazbek	40 g	90 min	4.6 %
Boil	Citra	20 g	90 min	12 %
Boil	Kazbek	30 g	30 min	4.6 %
Boil	Kazbek	30 g	10 min	4.6 %

## Yeasts

Name	Type	Form	Amount	Laboratory
S23 x2	Lager	Dry	23 g	---