

## #64 pierwszy pils w krakowie

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- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **26**
- SRM **3.7**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15.3 liter(s)**
- Total mash volume **20.4 liter(s)**

### Steps

- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **15 min**

### Mash step by step

- Heat up **15.3 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **50 min** at **64C**
- Keep mash **15 min** at **72C**
- Sparge using **15.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (98%)	80 %	4
Grain	Bestmalz Carmel Pils	0.1 kg (2%)	75 %	5

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	100 g	17 min	4.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
fermentis safbrew 34/70	Lager	Dry	22 g	---