

## #108 Piąte zwykłe piwo

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **29**
- SRM **4.8**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **29.8 liter(s)**
- Trub loss **6 %**
- Size with trub loss **31.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **6 %/h**
- Boil size **33.8 liter(s)**

### Mash information

- Mash efficiency **79 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Steps

- Temp **63 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **75.6 C**, Time **1 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **20 min** at **63C**
- Keep mash **40 min** at **72C**
- Keep mash **1 min** at **75.6C**
- Sparge using **21.8 liter(s)** of **76C** water or to achieve **33.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (83.3%)	80 %	6.5
Grain	Viking Malt Monachijski jasny	1 kg (16.7%)	80 %	15

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Styrian Goldings SLO 2020 granulat	25 g	60 min	5.6 %
Boil	Styrian Goldings SLO 2020 granulat	25 g	30 min	5.6 %
Aroma (end of boil)	Styrian Goldings SLO 2020 granulat	50 g	10 min	5.6 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM42 Stare Nadreńskie	Ale	Liquid	30 ml	Fermentum Mobile