

## Pils

- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **32**
- SRM **4**
- 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 **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

### Steps

- Temp **52 C**, Time **10 min**
- Temp **62 C**, Time **20 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **18 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **10 min** at **52C**
- Keep mash **20 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **19.7 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	5 kg (83.3%)	80 %	4
Grain	Weyermann - Carapils	0.5 kg (8.3%)	78 %	4
Grain	Strzegom Monachijski typ I	0.5 kg (8.3%)	79 %	16

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Premiant	40 g	60 min	8 %
Boil	Saaz (Czech Republic)	30 g	15 min	2.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	11.5 g	Fermentis

### Notes

- Nagazowanie - 2.3 vol

fermentacja 10 stopni

Gęstwa z tego piwa pójdzie na portera bałtyckiego.

*May 19, 2023, 11:58 PM*