

## Pils 38

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **52**
- SRM **3.5**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **30.2 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **5 liter(s) / kg**
- Mash size **27.5 liter(s)**
- Total mash volume **33 liter(s)**

### Steps

- Temp **67 C**, Time **60 min**

### Mash step by step

- Heat up **27.5 liter(s)** of strike water to **71.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Sparge using **8.2 liter(s)** of **76C** water or to achieve **30.2 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pilsner malt	5 kg (90.9%)	82 %	4
Grain	Viking Vienna Malt	0.5 kg (9.1%)	79 %	7

### Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	Zula	25 g	75 min	13.3 %
Boil	Magnat	10 g	60 min	9.8 %
Boil	Saaz (Czech Republic)	40 g	15 min	3.4 %
Boil	Saaz (Czech Republic)	40 g	5 min	3.4 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Lutra OYL-071	Ale	Slant	50 ml	Omega