

## Pils 2018

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- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **30**
- SRM **4.8**
- 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 **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pale Ale Malt Europe	4 kg (88.9%)	80 %	7
Grain	Pszeniczny	0.35 kg (7.8%)	85 %	4
Grain	Karmelowy Jasny 30EBC	0.15 kg (3.3%)	75 %	30

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	20 g	30 min	8.7 %
Boil	Saaz (Czech Republic)	30 g	20 min	4.5 %
Boil	Saaz (Czech Republic)	30 g	10 min	4.5 %
Whirlpool	Saaz (Czech Republic)	20 g	5 min	4.5 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM30 Bohemska rapsodia	Lager	Liquid	1600 ml	Fermentum Mobile