

Pils ez

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **32**
- SRM **4.4**
- Style **Bohemian Pilsener**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **23.2 liter(s)**

Steps

- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **10 min**

Mash step by step

- Heat up **17.8 liter(s)** of strike water to **73C**
- Add grains
- Keep mash **40 min** at **66C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **77C**
- Sparge using **17.1 liter(s)** of **76C** water or to achieve **29.5 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Bohemian Pilsner Malt	4 kg (74.1%)	80 %	4
Grain	Monachijski	1 kg (18.5%)	78 %	15
Grain	Weyermann - Carapils	0.4 kg (7.4%)	75 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	60 g	60 min	3.68 %
Boil	Saaz (Czech Republic)	20 g	30 min	3.68 %
Aroma (end of boil)	Saaz (Czech Republic)	40 g	10 min	3.68 %

Yeasts

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