Pils 2018

- Gravity 12.4 BLG
- ABV 5 %
- IBU **44**
- SRM **3.5**
- Style German Pilsner (Pils)

Batch size

- Expected quantity of finished beer 74 liter(s)
- Trub loss 5 %
- Size with trub loss 78.4 liter(s)
- · Boil time 90 min
- Evaporation rate 5 %/h
- Boil size 89.9 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 50.4 liter(s)
- Total mash volume 67.2 liter(s)

Steps

- Temp **52 C**, Time **1 min** Temp **50 C**, Time **30 min**
- Temp 64 C, Time 30 min
- Temp 70 C, Time 30 min
 Temp 76 C, Time 2 min

Mash step by step

- Heat up 50.4 liter(s) of strike water to 55C
- Add grains
- Keep mash 30 min at 50C
- Keep mash 1 min at 52C
- Keep mash 30 min at 64C
- Keep mash 30 min at 70C
- Keep mash 2 min at 76C • Sparge using 56.3 liter(s) of 76C water or to achieve 89.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	16 kg (95.2%)	81 %	4
Grain	Weyermann - Carapils	0.8 kg <i>(4.8%)</i>	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Saaz (Czech Republic)	200 g	30 min	4.5 %
Boil	Saaz (Czech Republic)	60 g	75 min	4.5 %
Boil	Saaz (Czech Republic)	100 g	85 min	4.5 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	45 g	Fermentis