# fake pils

- Gravity 12.1 BLG
- ABV 4.9 %
- IBU **34**
- SRM **6.4**
- Style German Pilsner (Pils)

#### **Batch size**

- Expected quantity of finished beer 10 liter(s)
- Trub loss 10 %
- Size with trub loss 11.5 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 14.3 liter(s)

# **Mash information**

- Mash efficiency 70 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 10.2 liter(s)
- Total mash volume 13.1 liter(s)

# **Steps**

- Temp **62 C**, Time **40 min** Temp **72 C**, Time **20 min**
- Temp 76 C, Time 10 min

# Mash step by step

- Heat up 10.2 liter(s) of strike water to 68C
- Add grains
- Keep mash 40 min at 62C
- Keep mash 20 min at 72C
- Keep mash 10 min at 76C
- Sparge using 7 liter(s) of 76C water or to achieve 14.3 liter(s) of wort

#### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Pilzneński	2.3 kg <i>(79.3%)</i>	81 %	4
Grain	Weyermann - Carapils	0.45 kg <i>(15.5%)</i>	78 %	4
Grain	Biscuit Malt	0.1 kg <i>(3.4%)</i>	79 %	45
Grain	Caraaroma	0.05 kg (1.7%)	78 %	300

# Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	10 g	60 min	13.5 %
Aroma (end of boil)	Tettnang	35 g	5 min	4 %
Aroma (end of boil)	Saaz (Czech Republic)	10 g	5 min	4.5 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
lutra	Ale	Slant	10 ml	

### **Extras**

Туре	Name	Amount	Use for	Time
Water Agent	wit c	2 g	Bottling	