- Gravity 12.4 BLG
- ABV ----
- IBU **20**
- SRM **13.3**
- Style Belgian Pale Ale

### **Batch size**

- Expected quantity of finished beer 16 liter(s)
- Trub loss 5 %
- Size with trub loss 16.8 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 20.2 liter(s)

## **Mash information**

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 12 liter(s)
- Total mash volume 16 liter(s)

### **Steps**

- Temp **64.5 C**, Time **15 min** Temp **67 C**, Time **45 min**
- Temp **75 C**, Time **2 min**

## Mash step by step

- Heat up 12 liter(s) of strike water to 71.9C
- Add grains
- Keep mash 15 min at 64.5C
- Keep mash 45 min at 67C
- Keep mash 2 min at 75C
- Sparge using 12.2 liter(s) of 76C water or to achieve 20.2 liter(s) of wort

### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Best Pilsen Malt	2.5 kg <i>(62.5%)</i>	80.5 %	3.5
Grain	Munich Malt	0.25 kg <i>(6.3%)</i>	80 %	15
Grain	Best Maltz Cara Munich Type I	0.25 kg <i>(6.3%)</i>	75 %	90
Grain	Weyermann - Abbey Malt	1 kg (25%)	50 %	45

#### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	6 g	60 min	8.4 %
Boil	Styrian Goldings	20 g	15 min	3.7 %
Boil	Huell Melon	10 g	15 min	9.3 %

# **Yeasts**

Name	Туре	Form	Amount	Laboratory
WLP550 - Belgian Ale Yeast	Ale	Culture	50 g	White Labs

#### **Extras**

Туре	Name	Amount	Use for	Time
Fining	Whirlfloc	2 g	Boil	10 min