### **BPA**

- Gravity 11.2 BLG
- ABV 4.5 %
- IBU 23
- SRM **5.6**
- Style Belgian Pale Ale

### **Batch size**

- Expected quantity of finished beer 22 liter(s)
- Trub loss 5 %
- Size with trub loss 23.1 liter(s)
- · Boil time 60 min
- Evaporation rate 20 %/h
- Boil size 29 liter(s)

### **Mash information**

- Mash efficiency 80 %
- Liquor-to-grist ratio 3.4 liter(s) / kg
- Mash size 15 liter(s)
- Total mash volume 19.4 liter(s)

## **Steps**

- Temp **64 C**, Time **20 min** Temp **67 C**, Time **40 min**
- Temp 72 C, Time 10 min

# Mash step by step

- Heat up 15 liter(s) of strike water to 70.5C
- Add grains
- Keep mash 20 min at 64C
- Keep mash 40 min at 67C
- Keep mash 10 min at 72C
- Sparge using 18.4 liter(s) of 76C water or to achieve 29 liter(s) of wort

## **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Pale Ale	3 kg <i>(68.2%)</i>	80 %	4
Grain	Pilzneński	1 kg (22.7%)	81 %	4
Grain	Pszeniczny	0.2 kg <i>(4.5%)</i>	85 %	4
Grain	Crystal 150 Castle Malting	0.2 kg (4.5%)	%	150

# Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	20 g	50 min	9.5 %
Boil	Saaz (Czech Republic)	30 g	5 min	4.5 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Fermentis Safbrew BE-256	Ale	Dry	11 g	

#### **Extras**

Туре	Name	Amount	Use for	Time
- 71				

l Fining	Whirlfloc T	l 1 a	l Boil	l 5 min
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