# Sosenkowy gaj single hop

- Gravity 12.4 BLG
- ABV 5 %
- IBU 23
- SRM **4**
- Style American Pale Ale

#### **Batch size**

- Expected quantity of finished beer 24 liter(s)
- Trub loss 5 %
- Size with trub loss 25.2 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 30.4 liter(s)

### **Mash information**

- Mash efficiency 80 %
- Liquor-to-grist ratio 3.4 liter(s) / kg
- Mash size 19.4 liter(s)
- Total mash volume 25.1 liter(s)

### **Steps**

- Temp 52 C, Time 15 min
  Temp 66 C, Time 60 min
  Temp 72 C, Time 10 min
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up 19.4 liter(s) of strike water to 56.7C
- Add grains
- Keep mash 15 min at 52C
- · Keep mash 60 min at 66C
- Keep mash 10 min at 72C
- Keep mash 5 min at 76C
- Sparge using 16.7 liter(s) of 76C water or to achieve 30.4 liter(s) of wort

### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg <i>(61.4%)</i>	80 %	2
Grain	Viking Vienna Malt	1.5 kg <i>(26.3%)</i>	79 %	7
Grain	Słód Chateau Biscuit	0.2 kg <i>(3.5%)</i>	77 %	50
Grain	Płatki owsiane błyskawiczne	0.5 kg (8.8%)	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook PL	20 g	60 min	7.5 %
Boil	Chinook PL	10 g	10 min	7.5 %
Whirlpool	Chinook PL	30 g	20 min	7.5 %

### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11.5 g	fermentis

#### **Extras**

Туре	Name	Amount	Use for	Time
Fining	whirlfloc	5 g	Boil	10 min