## X - American Pale Ale - 37

- Gravity 12.4 BLG
- ABV 5 %
- IBU 22
- SRM **5.8**
- Style American Pale Ale

### **Batch size**

- Expected quantity of finished beer 20 liter(s)
- Trub loss 5 %
- Size with trub loss 21 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 25.3 liter(s)

#### **Mash information**

- Mash efficiency 75 %
- Liquor-to-grist ratio 3.2 liter(s) / kg
- Mash size 16 liter(s)
- Total mash volume 21 liter(s)

#### **Steps**

- Temp **65 C**, Time **60 min** Temp **72 C**, Time **20 min** Temp **75 C**, Time **1 min**

- Temp **100 C**, Time **60 min**

## Mash step by step

- Heat up 16 liter(s) of strike water to 72C
- Add grains
- Keep mash 60 min at 65C
- Keep mash 20 min at 72C
- Keep mash 1 min at 75C
- Keep mash 60 min at 100C
- Sparge using 14.3 liter(s) of 76C water or to achieve 25.3 liter(s) of wort

### **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	4 kg (80%)	80 %	5
Grain	Carahell	1 kg (20%)	77 %	26

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Mosaic	20 g	50 min	10 %
Aroma (end of boil)	Mosaic	20 g	1 min	10 %

# **Yeasts**

Name	Туре	Form	Amount	Laboratory
Wyeast - 1450	Ale	Liquid	0.125 ml	