# jarjar

- Gravity 12.4 BLG
- ABV 5 %
- IBU **28**
- SRM **6.6**
- Style Extra Special/Strong Bitter (English Pale Ale)

## **Batch size**

- Expected quantity of finished beer 25 liter(s)
- Trub loss 5 %
- Size with trub loss 26.3 liter(s)
- · Boil time 70 min
- Evaporation rate 10 %/h
- Boil size 32.2 liter(s)

#### **Mash information**

- Mash efficiency 75 %
- Liquor-to-grist ratio 3.5 liter(s) / kg
- Mash size 22.1 liter(s)
- Total mash volume 28.4 liter(s)

# **Steps**

- Temp **65 C**, Time **40 min** Temp **72 C**, Time **20 min**
- Temp 78 C, Time 10 min

# Mash step by step

- Heat up 22.1 liter(s) of strike water to 71.4C
- Add grains
- Keep mash 40 min at 65C
- Keep mash 20 min at 72C
- Keep mash 10 min at 78C
- Sparge using 16.4 liter(s) of 76C water or to achieve 32.2 liter(s) of wort

## **Fermentables**

Туре	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (79.4%)	80 %	5
Grain	Abbey Castle	0.5 kg <i>(7.9%)</i>	80 %	45
Grain	Biscuit Malt	0.5 kg <i>(7.9%)</i>	79 %	45
Grain	Płatki owsiane	0.3 kg <i>(4.8%)</i>	60 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	30 g	60 min	5.3 %
Boil	Fuggles	60 g	15 min	5.3 %
Boil	Fuggles	60 g	0 min	5.3 %

#### **Yeasts**

Name	Туре	Form	Amount	Laboratory
Wyeast - 1275 Thames Valley Ale	Ale	Slant	200 ml	Wyeast Labs