English pale ale

- Gravity 12.6 BLG
- ABV **5.1** %
- IBU 24
- SRM **7.2**
- 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 60 min
- Evaporation rate 10 %/h
- Boil size 31.7 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 17.1 liter(s)
- Total mash volume 22.8 liter(s)

Steps

- Temp **69 C**, Time **40 min** Temp **72 C**, Time **10 min**
- Temp 78 C, Time 0 min

Mash step by step

- Heat up 17.1 liter(s) of strike water to 77.2C
- Add grains
- Keep mash 40 min at 69C
- Keep mash 10 min at 72C
- Keep mash 0 min at 78C
- Sparge using 20.3 liter(s) of 76C water or to achieve 31.7 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Pale Ale Fawcet	5 kg (87.7%)	90 %	5
Grain	Biscuit Malt	0.5 kg <i>(8.8%)</i>	85 %	50
Grain	Caramel/Crystal Malt	0.1 kg <i>(1.8%)</i>	75 %	120
Grain	Caramel/Dark Crystal Malt	0.1 kg <i>(1.8%)</i>	75 %	210

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	10 g	60 min	5.1 %
Boil	Fuggles	10 g	60 min	6.1 %
Boil	East Kent Goldings	15 g	45 min	5.1 %
Boil	Fuggles	15 g	45 min	6.1 %
Boil	East Kent Goldings	5 g	5 min	5.1 %
Boil	Fuggles	5 g	5 min	6.1 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Safale S-04	Ale	Dry	11 g	Safale