Bitter

- Gravity 11 BLG
- ABV 4.4 %
- IBU **34**
- SRM **6.1**
- Style Special/Best/Premium Bitter

Batch size

- Expected quantity of finished beer 12 liter(s)
- Trub loss 5 %
- Size with trub loss 12.8 liter(s)
- · Boil time 60 min
- Evaporation rate 16 %/h
- Boil size 15.9 liter(s)

Mash information

- Mash efficiency 85 %
- Liquor-to-grist ratio 4 liter(s) / kg
- Mash size 9.2 liter(s)
- Total mash volume 11.5 liter(s)

Steps

- Temp 67 C, Time 60 min
 Temp 78 C, Time 1 min

Mash step by step

- Heat up 9.2 liter(s) of strike water to 72.9C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 1 min at 78C
- Sparge using 9 liter(s) of 76C water or to achieve 15.9 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Fawcett - Maris Otter	2.1 kg <i>(91.3%)</i>	80.3 %	6
Grain	Fawcett - Pale Crystal	0.2 kg (8.7%)	72.8 %	90

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Admiral	12 g	60 min	13 %
Boil	East Kent Goldings	20 g	5 min	4.5 %
Dry Hop	East Kent Goldings	10 g	4 day(s)	4.5 %

Yeasts

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

Extras

Туре	Name	Amount	Use for	Time
Fining	Mech irlandzki	3 g	Boil	10 min