Esb nøgne

- Gravity 8.8 BLG
- ABV **3.4** %
- IBU **12**
- SRM **9.5**
- Style Extra Special/Strong Bitter (English Pale Ale)

Batch size

- Expected quantity of finished beer 52 liter(s)
- Trub loss 5 %
- Size with trub loss 54.6 liter(s)
- · Boil time 60 min
- Evaporation rate 10 %/h
- Boil size 65.8 liter(s)

Mash information

- Mash efficiency 75 %
- Liquor-to-grist ratio 3 liter(s) / kg
- Mash size 23.8 liter(s)
- Total mash volume 31.7 liter(s)

Steps

- Temp 66 C, Time 40 min
 Temp 73 C, Time 10 min

Mash step by step

- Heat up 23.8 liter(s) of strike water to 73.7C
- Add grains
- Keep mash 40 min at 66C
- Keep mash 10 min at 73C
- Sparge using 49.9 liter(s) of 76C water or to achieve 65.8 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Maris Otter Crisp	7 kg (83%)	83 %	6
Grain	Amber Malt	0.23 kg <i>(2.7%)</i>	75 %	90
Grain	Simpsons - Crystal Extra Dark	0.7 kg <i>(8.3%)</i>	74 %	300
Sugar	Cukier	0.5 kg <i>(5.9%)</i>	100 %	0

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Tradition	30 g	60 min	6 %
Whirlpool	Tradition	40 g	20 min	6 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Lallemand - Lalbrew London English-style	Ale	Dry	22 g	Lallemand

Extras

Туре	Name	Amount	Use for	Time
Water Agent	Gips	7 g	Mash	60 min

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