Licence to chill

- · Gravity 22 BLG
- ABV 9.9 %
- IBU 28
- SRM 17.7
- Style Strong Scotch Ale

Batch size

- Expected quantity of finished beer 9.5 liter(s)
- Trub loss 5 %
- Size with trub loss 10 liter(s)
- Boil time 60 min
- Evaporation rate 15 %/h
- Boil size 13.1 liter(s)

Mash information

- Mash efficiency 80 %
- Liquor-to-grist ratio 2.4 liter(s) / kg Mash size 10 liter(s)
- Total mash volume 14.1 liter(s)

Steps

- Temp 67 C, Time 60 min
 Temp 77 C, Time 10 min

Mash step by step

- Heat up 10 liter(s) of strike water to 76.8C
- Add grains
- Keep mash 60 min at 67C
- Keep mash 10 min at 77C
- Sparge using 7.3 liter(s) of 76C water or to achieve 13.1 liter(s) of wort

Fermentables

Туре	Name	Amount	Yield	EBC
Grain	Castle Pale Ale	3 kg (72.3%)	80 %	8
Grain	Casle Malting Whisky Nature	1 kg (24.1%)	85 %	4
Grain	Carafa	0.15 kg <i>(3.6%)</i>	70 %	664

Hops

Use for	Name	Amount	Time	Alpha acid
First Wort	East Kent Goldings	30 g	80 min	5.1 %
Aroma (end of boil)	East Kent Goldings	20 g	1 min	5.1 %

Yeasts

Name	Туре	Form	Amount	Laboratory
Danstar - Windsor Ale	Ale	Dry	11 g	Danstar