

Scottish Ale

- Gravity **9.5 BLG**
- ABV **3.7 %**
- IBU **19**
- SRM **12.8**
- Style **Scottish Heavy 70/-**

Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **13.3 liter(s)**
- Total mash volume **17.1 liter(s)**

Steps

- Temp **67 C**, Time **60 min**
- Temp **76 C**, Time **5 min**

Mash step by step

- Heat up **13.3 liter(s)** of strike water to **73.7C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **5 min** at **76C**
- Sparge using **18.3 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Maris Otter Crisp	3 kg (78.9%)	83 %	6
Grain	Monachijski typ I 16 EBC Weyermann	0.5 kg (13.2%)	80 %	20
Grain	Simpsons - Crystal Dark	0.2 kg (5.3%)	74 %	158
Grain	Carafa III	0.1 kg (2.6%)	70 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Admiral	10 g	60 min	14.3 %
Boil	East Kent Goldings	25 g	5 min	5.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
Danstar - Nottingham	Ale	Dry	11 g	---