

Scottish Ale

- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **28**
- SRM **10.1**
- Style **Scottish Export 80/-**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **13.3 liter(s)**
- Total mash volume **17.1 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Golden Promise	3.1 kg (81.6%)	81 %	4
Grain	Caramel/Crystal Malt - 10L	0.6 kg (15.8%)	75 %	20
Grain	Chocolate Malt (UK)	0.1 kg (2.6%)	73 %	887

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	EKG	30 g	60 min	8 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM12 W szkocką kratę	Ale	Liquid	12 ml	Fermentum Mobile