

Scottish Ale

- Gravity **9 BLG**
- ABV **3.5 %**
- IBU **19**
- SRM **16.2**
- 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 **90 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.6 liter(s)**
- Total mash volume **16.2 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Golden Promise	2.8 kg (77.8%)	81 %	4
Grain	Strzegom Karmel 150	0.5 kg (13.9%)	75 %	150
Grain	Brown Malt (British Chocolate)	0.2 kg (5.6%)	70 %	128
Grain	Strzegom Czekoladowy ciemny	0.1 kg (2.8%)	68 %	1200

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	30 g	60 min	5.1 %

Yeasts

Name	Type	Form	Amount	Laboratory
us 05	Ale	Dry	11.5 g	---