

Bitter v 1.0

- Gravity **10.5 BLG**
- ABV **4.2 %**
- IBU **25**
- SRM **8.6**
- Style **Standard/Ordinary Bitter**

Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **12.7 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **6.6 liter(s)**
- Total mash volume **8.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	2 kg (90.9%)	81 %	6
Grain	Caramel/Crystal Malt - 120L	0.2 kg (9.1%)	20 %	160

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Admiral	5 g	60 min	14.1 %
Boil	East Kent Goldings	7 g	30 min	4.5 %
Boil	East Kent Goldings	7 g	10 min	4.5 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM13 Irlandzkie Ciemności	Ale	Slant	100 ml	Fermentum Mobile

Extras

Type	Name	Amount	Use for	Time
Fining	Irlandzki mech	10 g	Boil	20 min