

Bittera

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **33**
- SRM **7.9**
- Style **Special/Best/Premium Bitter**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **19 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **12.6 liter(s)**
- Total mash volume **16.8 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	3.5 kg (83.3%)	81 %	6
Grain	Karmelowy Czerwony	0.5 kg (11.9%)	75 %	50
Grain	Cookie	0.2 kg (4.8%)	--- %	55

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	East Kent Goldings	30 g	60 min	4.5 %
Boil	Fuggles	50 g	15 min	4.2 %
Aroma (end of boil)	East Kent Goldings	20 g	0 min	4.5 %

Yeasts

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