

## #22 Bitter

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- Gravity **10.7 BLG**
- ABV **4.3 %**
- IBU **27**
- SRM **6.3**
- Style **Standard/Ordinary Bitter**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **29.5 liter(s)**

### Mash information

- Mash efficiency **82 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pale Ale	4 kg (88.9%)	79 %	6
Grain	Cookie	0.25 kg (5.6%)	75 %	50
Grain	simpsons - Crystal light	0.25 kg (5.6%)	75 %	100

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	25 g	60 min	7.6 %
Aroma (end of boil)	Challenger	25 g	10 min	7.6 %