

best bitter

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **37**
- SRM **10.3**
- Style **Special/Best/Premium Bitter**

Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **8.8 liter(s)**
- Total mash volume **11.7 liter(s)**

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Simpsons - Maris Otter	2.5 kg (85.3%)	81 %	6
Grain	Strzegom Monachijski typ I	0.2 kg (6.8%)	79 %	16
Grain	Simpsons - Crystal Medium	0.2 kg (6.8%)	73 %	170
Grain	Carafa	0.03 kg (1%)	70 %	664

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	15 g	45 min	11 %
Boil	mix angoli	30 g	10 min	5 %
Aroma (end of boil)	mix angoli	30 g	1 min	5 %