

# bitter

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **38**
- SRM **8.5**
- Style **Special/Best/Premium Bitter**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **6 %**
- Size with trub loss **15.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **18.3 liter(s)**

## Mash information

- Mash efficiency **79 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **10.2 liter(s)**
- Total mash volume **13.6 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3 kg (88.2%)	80 %	5
Grain	Strzegom Bursztynowy	0.2 kg (5.9%)	70 %	49
Grain	Strzegom Karmel 200	0.2 kg (5.9%)	75 %	200

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	60 min	10.5 %
Boil	East Kent Goldings	25 g	10 min	5.1 %