

# bitter

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- Gravity **13.1 BLG**
- ABV ---
- IBU **48**
- SRM ---
- Style **Extra Special/Strong Bitter (English Pale Ale)**

## Batch size

- Expected quantity of finished beer **19 liter(s)**
- Trub loss **5 %**
- Size with trub loss **19.9 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

## Fermentables

Type	Name	Amount	Yield	EBC
Liquid Extract	WES ekstrakt słodowy jasny	3.4 kg (100%)	80 %	---

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	25 g	60 min	5.8 %
Boil	flyers	15 g	30 min	9 %
Boil	Golding	25 g	30 min	6.2 %
Boil	Fuggles	30 g	5 min	4.2 %

## Yeasts

Name	Type	Form	Amount	Laboratory
empire ale 15	Ale	Dry	10 g	---