

# Bitter

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **33**
- SRM **7.8**
- Style **Standard/Ordinary Bitter**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

## Fermentables

| Type  | Name                   | Amount        | Yield | EBC |
|-------|------------------------|---------------|-------|-----|
| Grain | Fawcett - Crystal      | 0.4 kg (7.4%) | 70 %  | 160 |
| Grain | Simpsons - Maris Otter | 5 kg (92.6%)  | 81 %  | 6   |

## Hops

| Use for | Name               | Amount | Time   | Alpha acid |
|---------|--------------------|--------|--------|------------|
| Boil    | East Kent Goldings | 50 g   | 60 min | 5.1 %      |
| Boil    | East Kent Goldings | 50 g   | 10 min | 5.1 %      |
| Boil    | East Kent Goldings | 30 g   | 1 min  | 5.1 %      |

## Yeasts

| Name        | Type | Form | Amount | Laboratory |
|-------------|------|------|--------|------------|
| Safale S-04 | Ale  | Dry  | 11 g   | Fermentis  |