

## pale ale

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- Gravity **9.8 BLG**
- ABV **3.8 %**
- IBU **23**
- SRM **9.4**
- Style **Extra Special/Strong Bitter (English Pale Ale)**

### 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 **4.5 liter(s) / kg**
- Mash size --- **liter(s)**
- Total mash volume --- **liter(s)**

### Fermentables

| Type           | Name                           | Amount         | Yield | EBC |
|----------------|--------------------------------|----------------|-------|-----|
| Liquid Extract | Gozdawa ekstrakt słodowy jasny | 1.7 kg (58.6%) | 99 %  | 45  |
| Liquid Extract | WES ekstrakt słodowy jasny     | 1.2 kg (41.4%) | 99 %  | 45  |

### Hops

| Use for   | Name      | Amount | Time   | Alpha acid |
|-----------|-----------|--------|--------|------------|
| Boil      | Warrior   | 10 g   | 60 min | 15.5 %     |
| Boil      | Mosaic    | 10 g   | 10 min | 10 %       |
| Boil      | Citra     | 10 g   | 10 min | 12 %       |
| Whirlpool | El Dorado | 0 g    | 0 min  | 15 %       |