

## OldAle\_Dept

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- Gravity **17.1 BLG**
- ABV ---
- IBU **45**
- SRM **17.7**
- Style **Old Ale**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **21.2 liter(s)**
- Total mash volume **28.2 liter(s)**

### Steps

- Temp **68 C**, Time **45 min**
- Temp **78 C**, Time **15 min**

### Mash step by step

- Heat up **21.2 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **45 min** at **68C**
- Keep mash **15 min** at **78C**
- Sparge using **11.2 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pale Ale          | 5 kg (70.9%)   | 79 %  | 6   |
| Grain | Pilzneński                 | 0.5 kg (7.1%)  | 81 %  | 4   |
| Grain | Karmelowy Czerwony         | 0.5 kg (7.1%)  | 75 %  | 59  |
| Grain | Strzegom Karmel 150        | 0.25 kg (3.5%) | 75 %  | 150 |
| Grain | Strzegom Czekoladowy jasny | 0.4 kg (5.7%)  | 68 %  | 400 |
| Grain | Oats, Flaked               | 0.4 kg (5.7%)  | 80 %  | 2   |

### Hops

| Use for | Name          | Amount | Time   | Alpha acid |
|---------|---------------|--------|--------|------------|
| Boil    | Admiral       | 30 g   | 60 min | 14.3 %     |
| Boil    | Kent Goldings | 30 g   | 10 min | 5.5 %      |

### Yeasts

| Name                 | Type | Form | Amount | Laboratory |
|----------------------|------|------|--------|------------|
| Danstar - Nottingham | Ale  | Dry  | 11 g   | Danstar    |

### Extras

Recipe has been printed via **BREWNESS.com** - a complex online solution for homebrewers to track brewing process easily.

| Type   | Name                                       | Amount | Use for   | Time      |
|--------|--|--------|-----------|-----------|
| Flavor | płatki dębowe amerykańskie średnioopiekane | 25 g   | Secondary | 10 day(s) |
| Flavor | płatki dębowe francuskie średnioopiekane   | 25 g   | Secondary | 10 day(s) |