

OldAle_Dept

- 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) |