

# Czyszczenie magazynu

- Gravity **14.5 BLG**
- ABV **6 %**
- IBU **34**
- SRM **7.6**
- Style **Belgian Pale Ale**

## Batch size

- Expected quantity of finished beer **13 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.7 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **16.4 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **12.6 liter(s)**
- Total mash volume **16.2 liter(s)**

## Steps

- Temp **64 C**, Time **20 min**
- Temp **72 C**, Time **40 min**

## Mash step by step

- Heat up **12.6 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **20 min** at **64C**
- Keep mash **40 min** at **72C**
- Sparge using **7.4 liter(s)** of **76C** water or to achieve **16.4 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount        | Yield | EBC |
|-------|----------------------------|---------------|-------|-----|
| Grain | Weyermann - Pale Ale Malt  | 2.7 kg (75%)  | 85 %  | 7   |
| Grain | Strzegom Monachijski typ I | 0.3 kg (8.3%) | 79 %  | 16  |
| Grain | Abbey Malt Weyermann       | 0.3 kg (8.3%) | 75 %  | 45  |
| Grain | Carabelge                  | 0.3 kg (8.3%) | 80 %  | 30  |

## Hops

| Use for             | Name       | Amount | Time   | Alpha acid |
|---------------------|------------|--------|--------|------------|
| Boil                | Oktawia    | 20 g   | 60 min | 7.1 %      |
| Aroma (end of boil) | Willamette | 20 g   | 15 min | 5 %        |
| Aroma (end of boil) | Willamette | 10 g   | 5 min  | 5 %        |
| Aroma (end of boil) | Oktawia    | 10 g   | 5 min  | 7.1 %      |

## Yeasts

| Name                               | Type | Form | Amount | Laboratory |
|------------------------------------|------|------|--------|------------|
| Gozdawa belgian trappist ale yeast | Ale  | Dry  | 7 g    | ---        |

## 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   |
|--------|----------------|--------|---------|--------|
| Fining | Mech irlandzki | 4 g    | Boil    | 15 min |