

## Pils

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **23**
- SRM **3.5**

### Batch size

- Expected quantity of finished beer **22 liter(s)**
- Trub loss **5 %**
- Size with trub loss **23.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **28.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **15 liter(s)**
- Total mash volume **20 liter(s)**

### Steps

- Temp **63 C**, Time **30 min**
- Temp **73 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **15 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **30 min** at **63C**
- Keep mash **30 min** at **73C**
- Keep mash **10 min** at **78C**
- Sparge using **18.3 liter(s)** of **76C** water or to achieve **28.3 liter(s)** of wort

### Fermentables

| Type  | Name                | Amount      | Yield | EBC |
|-------|---------------------|-------------|-------|-----|
| Grain | Strzegom Pilzneński | 5 kg (100%) | 80 %  | 4   |

### Hops

| Use for | Name    | Amount | Time     | Alpha acid |
|---------|---------|--------|----------|------------|
| Boil    | Sybilla | 40 g   | 70 min   | 3.5 %      |
| Boil    | Sybilla | 30 g   | 20 min   | 3.5 %      |
| Boil    | Sybilla | 20 g   | 5 min    | 3.5 %      |
| Dry Hop | Sybilla | 30 g   | 4 day(s) | 3.5 %      |

### Yeasts

| Name       | Type | Form | Amount | Laboratory |
|------------|------|------|--------|------------|
| Nottingham | Ale  | Dry  | 11.5 g | Danstar    |

### Extras

| Type   | Name              | Amount | Use for | Time   |
|--------|-------------------|--------|---------|--------|
| Fining | mech irlandzki    | 5 g    | Boil    | 15 min |
| Other  | Płatki jęczmienne | 250 g  | Mash    | 70 min |

### Notes

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

- Sybilla 30g na zimno - 3-4 dni  
Temp. 13/15°C  
- wyszło 13 Blg  
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