

## #06 Czeski Pils

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- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **39**
- SRM **4.7**
- Style **German Pilsner (Pils)**

### Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **0 %**
- Size with trub loss **15 liter(s)**
- Boil time **0 min**
- Evaporation rate **10 %/h**
- Boil size --- **liter(s)**

### Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **13.5 liter(s)**
- Total mash volume **18 liter(s)**

### Steps

- Temp **67 C**, Time **10 min**
- Temp **67 C**, Time **50 min**
- Temp **67 C**, Time **20 min**
- Temp **67 C**, Time **5 min**

### Mash step by step

- Heat up **13.5 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **5 min** at **67C**
- Keep mash **50 min** at **67C**
- Keep mash **20 min** at **67C**
- Keep mash **10 min** at **67C**
- Sparge using **-9 liter(s)** of **76C** water

### Fermentables

| Type  | Name                               | Amount         | Yield | EBC |
|-------|------------------------------------|----------------|-------|-----|
| Grain | Malteurop - pilsneński lager       | 3.8 kg (84.4%) | 80 %  | 3   |
| Grain | Słodownia Strzegom - monachijski I | 0.5 kg (11.1%) | 79 %  | 12  |
| Grain | Carahell                           | 0.15 kg (3.3%) | 75 %  | 24  |
| Grain | Weyermann - Acidulated Malt        | 0.05 kg (1.1%) | 80 %  | 6   |

### Hops

| Use for | Name      | Amount | Time   | Alpha acid |
|---------|-----------|--------|--------|------------|
| Boil    | Marynka   | 10 g   | 70 min | 9.5 %      |
| Boil    | Kazbek    | 50 g   | 0 min  | 6 %        |
| Boil    | Tradition | 10 g   | 20 min | 5.5 %      |
| Boil    | Marynka   | 10 g   | 50 min | 9.5 %      |
| Boil    | Tradition | 20 g   | 10 min | 5.5 %      |

### Yeasts

| <b>Name</b>     | <b>Type</b> | <b>Form</b> | <b>Amount</b> | <b>Laboratory</b> |
|-----------------|-------------|-------------|---------------|-------------------|
| Saflager W34/70 | Lager       | Dry         | 11.5 g        | ---               |

### **Extras**

| <b>Type</b> | <b>Name</b>     | <b>Amount</b> | <b>Use for</b> | <b>Time</b> |
|-------------|-----------------|---------------|----------------|-------------|
| Fining      | Miech irlandzki | 5 g           | Boil           | 15 min      |