

## Czeski pils 12

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **32**
- SRM **4.4**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **70 min**
- Evaporation rate **13 %/h**
- Boil size **27.8 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **22.9 liter(s)**

### Steps

- Temp **64 C**, Time **15 min**
- Temp **72 C**, Time **50 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **17.8 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **15 min** at **64C**
- Keep mash **50 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **15.1 liter(s)** of **76C** water or to achieve **27.8 liter(s)** of wort

### Fermentables

| Type  | Name                                      | Amount         | Yield | EBC |
|-------|-------------------------------------------|----------------|-------|-----|
| Grain | Słód Pilsner®<br>2,5-4,5 EBC<br>Weyermann | 4 kg (78.4%)   | 80 %  | 4   |
| Grain | Monachijski                               | 0.8 kg (15.7%) | 80 %  | 16  |
| Grain | Weyermann -<br>Carapils                   | 0.3 kg (5.9%)  | 78 %  | 4   |

### Hops

| Use for             | Name                  | Amount | Time   | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil                | Saaz (Czech Republic) | 40 g   | 60 min | 3.2 %      |
| Boil                | magnum                | 10 g   | 60 min | 11 %       |
| Boil                | Saaz (Czech Republic) | 30 g   | 20 min | 3.2 %      |
| Aroma (end of boil) | Saaz (Czech Republic) | 20 g   | 0 min  | 3.2 %      |

### Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

|                             |       |       |        |             |
|-----------------------------|-------|-------|--------|-------------|
| Wyeast - 2278<br>Czech Pils | Lager | Slant | 400 ml | Wyeast Labs |
|-----------------------------|-------|-------|--------|-------------|