

## Pils K 12,5 Blg wer. 3.0

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **57**
- SRM **3.5**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **36.3 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **20.1 liter(s)**
- Total mash volume **26.8 liter(s)**

### Steps

- Temp **55 C**, Time **10 min**
- Temp **64 C**, Time **15 min**
- Temp **72 C**, Time **45 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **20.1 liter(s)** of strike water to **60.8C**
- Add grains
- Keep mash **10 min** at **55C**
- Keep mash **15 min** at **64C**
- Keep mash **45 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **22.9 liter(s)** of **76C** water or to achieve **36.3 liter(s)** of wort

### Fermentables

| Type  | Name                                      | Amount         | Yield | EBC |
|-------|-------------------------------------------|----------------|-------|-----|
| Grain | Słód Pilsner®<br>2,5-4,5 EBC<br>Weyermann | 4.5 kg (67.2%) | 80 %  | 4   |
| Grain | Cara-Pils/Dextrine                        | 1 kg (14.9%)   | 72 %  | 4   |
| Grain | Rice, Flaked                              | 1 kg (14.9%)   | 70 %  | 2   |
| Grain | Weyermann -<br>Acidulated Malt            | 0.2 kg (3%)    | 80 %  | 6   |

### Hops

| Use for             | Name             | Amount | Time   | Alpha acid |
|---------------------|------------------|--------|--------|------------|
| Boil                | styrian cardinal | 30 g   | 60 min | 8.7 %      |
| Boil                | styrian wolf     | 30 g   | 20 min | 11.6 %     |
| Aroma (end of boil) | styrian cardinal | 60 g   | 5 min  | 8.7 %      |
| Aroma (end of boil) | styrian wolf     | 60 g   | 5 min  | 11.6 %     |

### Yeasts

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

|                         |       |        |        |             |
|-------------------------|-------|--------|--------|-------------|
| Wyeast - Bohemian Lager | Lager | Liquid | 500 ml | Wyeast Labs |
|-------------------------|-------|--------|--------|-------------|