

## Pils #5

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- Gravity **13.3 BLG**
- ABV **5.5 %**
- IBU **36**
- SRM **4**
- Style **Bohemian Pilsener**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

### Steps

- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **22.8 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **14.1 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

### Fermentables

| Type  | Name                  | Amount        | Yield | EBC |
|-------|-----------------------|---------------|-------|-----|
| Grain | Strzegom Pilzneński   | 5 kg (76.9%)  | 80 %  | 4   |
| Grain | Viking CaraBody       | 0.5 kg (7.7%) | 75 %  | 8   |
| Grain | Pszenica niesłodowana | 1 kg (15.4%)  | 75 %  | 3   |

### Hops

| Use for             | Name       | Amount | Time   | Alpha acid |
|---------------------|------------|--------|--------|------------|
| Boil                | Marynka    | 30 g   | 60 min | 10 %       |
| Aroma (end of boil) | Willamette | 20 g   | 10 min | 5 %        |
| Aroma (end of boil) | Belma      | 20 g   | 10 min | 9.4 %      |

### Yeasts

| Name         | Type  | Form  | Amount | Laboratory |
|--------------|-------|-------|--------|------------|
| Safale US-05 | Lager | Slant | 500 ml | ---        |