

# Italian Pilsner

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- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **33**
- SRM **3.3**
- Style **German Pilsner (Pils)**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **27.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **19.6 liter(s)**
- Total mash volume **26.1 liter(s)**

## Steps

- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **10 min**
- Temp **76 C**, Time **1 min**

## Mash step by step

- Heat up **19.6 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **45 min** at **63C**
- Keep mash **10 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **19.9 liter(s)** of **76C** water or to achieve **33 liter(s)** of wort

## Fermentables

| Type  | Name                             | Amount          | Yield | EBC |
|-------|----------------------------------|-----------------|-------|-----|
| Grain | Weyermann - Eraclea Pilsner Malt | 6.25 kg (95.7%) | 81 %  | 3   |
| Grain | Weyermann - Carapils             | 0.15 kg (2.3%)  | 81 %  | 5   |
| Grain | Weyermann - Acidulated Malt      | 0.13 kg (2%)    | 80 %  | 6   |

## Hops

| Use for             | Name                   | Amount | Time     | Alpha acid |
|---------------------|------------------------|--------|----------|------------|
| Boil                | Hallertau Spalt Select | 50 g   | 60 min   | 3.4 %      |
| Boil                | Perle                  | 40 g   | 20 min   | 7 %        |
| Aroma (end of boil) | Perle                  | 20 g   | 10 min   | 7 %        |
| Whirlpool           | Hallertau Mittelfruh   | 40 g   | 1 min    | 3 %        |
| Dry Hop             | Hallertau Mittelfruh   | 40 g   | 3 day(s) | 3 %        |

## Yeasts

| Name             | Type  | Form  | Amount | Laboratory |
|------------------|-------|-------|--------|------------|
| Saflager W 34/70 | Lager | Slant | 300 ml | Fermentis  |

## Notes

- 5g Mittelfruh na biotransformację  
*Mar 18, 2024, 8:43 AM*