

# Trawnicki Lager

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- Gravity **12.4 BLG**
- ABV **5 %**
- IBU **25**
- SRM **5.4**
- Style **Bohemian Pilsener**

## Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **7.5 liter(s)**
- Total mash volume **10.5 liter(s)**

## Steps

- Temp **51 C**, Time **20 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **40 min**

## Mash step by step

- Heat up **7.5 liter(s)** of strike water to **57.2C**
- Add grains
- Keep mash **20 min** at **51C**
- Keep mash **30 min** at **62C**
- Keep mash **40 min** at **72C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount       | Yield | EBC |
|-------|----------------------------|--------------|-------|-----|
| Grain | Strzegom Pilzneński        | 2 kg (66.7%) | 80 %  | 4   |
| Grain | Strzegom Monachijski typ I | 1 kg (33.3%) | 79 %  | 16  |

## Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | Lublin (Lubelski) | 30 g   | 30 min | 4 %        |
| Aroma (end of boil) | Lublin (Lubelski) | 30 g   | 10 min | 4 %        |

## Yeasts

| Name          | Type  | Form  | Amount | Laboratory |
|---------------|-------|-------|--------|------------|
| Saflager S-23 | Lager | Slant | 500 ml | Fermentis  |