

## Polish Ale #2

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- Gravity **14.3 BLG**
- ABV **5.9 %**
- IBU **26**
- SRM **6.2**
- Style **Blonde Ale**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **21 liter(s)**
- Total mash volume **27 liter(s)**

### Steps

- Temp **66 C**, Time **45 min**
- Temp **74 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **21 liter(s)** of strike water to **72.6C**
- Add grains
- Keep mash **45 min** at **66C**
- Keep mash **15 min** at **74C**
- Keep mash **5 min** at **78C**
- Sparge using **11.5 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

### Fermentables

| Type  | Name                | Amount         | Yield | EBC |
|-------|---------------------|----------------|-------|-----|
| Grain | Pszoniczny          | 2 kg (33.3%)   | 85 %  | 4   |
| Grain | Strzegom Pilzneński | 3.5 kg (58.3%) | 80 %  | 4   |
| Grain | Strzegom Karmel 300 | 0.1 kg (1.7%)  | 70 %  | 299 |
| Grain | Płatki owsiane      | 0.4 kg (6.7%)  | 60 %  | 3   |

### Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | lunga             | 15 g   | 60 min | 12.5 %     |
| Boil                | Lublin (Lubelski) | 10 g   | 15 min | 5 %        |
| Boil                | Sybilla           | 10 g   | 15 min | 3.5 %      |
| Aroma (end of boil) | Lublin (Lubelski) | 20 g   | 5 min  | 5 %        |
| Aroma (end of boil) | Sybilla           | 20 g   | 5 min  | 3.5 %      |

### Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 200 ml | Fermentis  |

## Extras

| Type   | Name            | Amount | Use for | Time   |
|--------|-----------------|--------|---------|--------|
| Flavor | Trawa cytrynowa | 20 g   | Boil    | 15 min |