

# Imperialny porter

- Gravity **25.3 BLG**
- ABV ---
- IBU **94**
- SRM **44**
- Style **Brown Porter**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **90 min**
- Evaporation rate **5 %/h**
- Boil size **24.1 liter(s)**

## Mash information

- Mash efficiency **71 %**
- Liquor-to-grist ratio **2.2 liter(s) / kg**
- Mash size **22.1 liter(s)**
- Total mash volume **32.2 liter(s)**

## Steps

- Temp **67 C**, Time **120 min**
- Temp **72 C**, Time **10 min**

## Mash step by step

- Heat up **22.1 liter(s)** of strike water to **77.7C**
- Add grains
- Keep mash **120 min** at **67C**
- Keep mash **10 min** at **72C**
- Sparge using **12.1 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

## Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Pilzneński                 | 5 kg (49.8%)   | 81 %  | 4   |
| Grain | Strzegom Monachijski typ I | 1.1 kg (10.9%) | 79 %  | 16  |
| Grain | Strzegom Pszeniczny        | 1 kg (10%)     | 81 %  | 6   |
| Grain | Weyermann - Carafa I       | 0.4 kg (4%)    | 70 %  | 690 |
| Grain | Strzegom Karmel 600        | 0.4 kg (4%)    | 68 %  | 601 |
| Grain | zakwaszający               | 0.15 kg (1.5%) | 70 %  | 6   |
| Grain | Weyermann - Pale Ale Malt  | 2 kg (19.9%)   | 85 %  | 7   |

## Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Admiral | 90 g   | 60 min | 14.3 %     |

## Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 250 ml | Fermentis  |

## Extras

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

| Type   | Name          | Amount | Use for   | Time     |
|--------|---------------|--------|-----------|----------|
| Flavor | płatki dębowe | 30 g   | Secondary | 7 day(s) |