

# Wędzony porter bałtycki

- Gravity **23.3 BLG**
- ABV **10.7 %**
- IBU **23**
- SRM **43.2**
- Style **Baltic 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 **10 %/h**
- Boil size **26.4 liter(s)**

## Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **26.1 liter(s)**
- Total mash volume **36.6 liter(s)**

## Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **30 min**

## Mash step by step

- Heat up **26.1 liter(s)** of strike water to **75.2C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **30 min** at **72C**
- Sparge using **10.8 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

## Fermentables

| Type  | Name                           | Amount         | Yield | EBC  |
|-------|--------------------------------|----------------|-------|------|
| Grain | Słód Wędzony Steinbach         | 4 kg (38.3%)   | 80 %  | 5    |
| Grain | Strzegom Monachijski typ II    | 4 kg (38.3%)   | 79 %  | 22   |
| Grain | Karmelowy Pszeniczny Strzegom  | 1 kg (9.6%)    | 79 %  | 130  |
| Grain | Abbey Castle                   | 0.5 kg (4.8%)  | 80 %  | 45   |
| Grain | Caraaroma                      | 0.25 kg (2.4%) | 78 %  | 400  |
| Grain | Strzegom Czekoladowy ciemny    | 0.25 kg (2.4%) | 68 %  | 1200 |
| Grain | Strzegom pszenica prażona      | 0.1 kg (1%)    | 70 %  | 1000 |
| Grain | Weyermann - Dehusked Carafo II | 0.25 kg (2.4%) | 70 %  | 837  |
| Grain | Caramunich® typ I              | 0.1 kg (1%)    | 73 %  | 80   |

## Hops

| Use for             | Name              | Amount | Time   | Alpha acid |
|---------------------|-------------------|--------|--------|------------|
| Boil                | Lublin (Lubelski) | 50 g   | 60 min | 4 %        |
| Aroma (end of boil) | Lublin (Lubelski) | 50 g   | 20 min | 4 %        |

**Yeasts**

| Name                 | Type  | Form   | Amount  | Laboratory       |
|----------------------|-------|--------|---------|------------------|
| FM31 Bawarska Dolina | Lager | Liquid | 1000 ml | Fermentum Mobile |