

porter bałtycki

- Gravity **21.8 BLG**
- ABV ---
- IBU **40**
- SRM **43.4**
- Style **Baltic Porter**

Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **10 %**
- Size with trub loss **19.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **22.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **18.5 liter(s)**
- Total mash volume **25.9 liter(s)**

Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **18.5 liter(s)** of strike water to **70.4C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **11.7 liter(s)** of **76C** water or to achieve **22.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|---------------|--------|-----|
| Grain | Strzegom Monachijski typ I | 3 kg (40.5%) | 79 % | 16 |
| Grain | Strzegom Wiedeński | 3 kg (40.5%) | 79 % | 10 |
| Grain | Pszeniczny | 0.3 kg (4.1%) | 85 % | 4 |
| Grain | Caraaroma | 0.4 kg (5.4%) | 78 % | 400 |
| Grain | Caramunich Malt | 0.4 kg (5.4%) | 71.7 % | 110 |
| Grain | Carafa | 0.15 kg (2%) | 70 % | 664 |
| Grain | Jęczmień palony | 0.15 kg (2%) | 55 % | 985 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | magnum | 45 g | 60 min | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------|-------|-------|--------|------------|
| w34/70 | Lager | Slant | 500 ml | --- |