

Porter bałtycki piwowar

- Gravity **23.6 BLG**
- ABV **10.8 %**
- IBU ---
- SRM **37**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **25 liter(s)**
- Total mash volume **35 liter(s)**

Steps

- Temp **48 C**, Time **5 min**
- Temp **52 C**, Time **5 min**
- Temp **66 C**, Time **40 min**
- Temp **70 C**, Time **40 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **25 liter(s)** of strike water to **53.6C**
- Add grains
- Keep mash **5 min** at **48C**
- Keep mash **5 min** at **52C**
- Keep mash **40 min** at **66C**
- Keep mash **40 min** at **70C**
- Keep mash **1 min** at **78C**
- Sparge using **10.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------------|----------------|-------|------|
| Grain | Strzegom Monachijski typ II | 5.1 kg (51%) | 79 % | 22 |
| Grain | Pilzneński | 3 kg (30%) | 81 % | 4 |
| Grain | Fawcett - Brown | 0.8 kg (8%) | 72 % | 180 |
| Grain | Słód Caramunich Typ II Weyermann | 0.5 kg (5%) | 73 % | 120 |
| Grain | Fawcett - Pszeniczny Czekoladowy | 0.35 kg (3.5%) | 73 % | 1001 |
| Grain | Strzegom Czekoladowy jasny | 0.25 kg (2.5%) | 68 % | 400 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Mash | lunga | 45 g | 60 min | 11 % |
| Mash | Saaz (Czech Republic) | 25 g | 10 min | 4.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------------------|-------|-------|--------|------------|
| Saflager W 34/70 | Lager | Slant | 500 ml | Fermentis |

Notes

- Gotowanie 120min.
Fermentacja 8C podnoszona do 11-12 na kilka dni przed końcem 13-14

Po wyładzaniu 28l na ok 28.5 blg
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