

#131 Porter Bałtycki

- Gravity **20.2 BLG**
- ABV **8.9 %**
- IBU **43**
- SRM **45.3**
- Style **Baltic Porter**

Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **15 %**
- Size with trub loss **18.8 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **24.1 liter(s)**

Mash information

- Mash efficiency **54 %**
- Liquor-to-grist ratio **2.8 liter(s) / kg**
- Mash size **28.6 liter(s)**
- Total mash volume **38.8 liter(s)**

Steps

- Temp **54 C**, Time **5 min**
- Temp **64 C**, Time **20 min**
- Temp **67 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **28.6 liter(s)** of strike water to **60.1C**
- Add grains
- Keep mash **5 min** at **54C**
- Keep mash **20 min** at **64C**
- Keep mash **30 min** at **67C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **5.7 liter(s)** of **76C** water or to achieve **24.1 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|-----|
| Grain | Strzegom Monachijski typ II | 5 kg (48.1%) | 79 % | 22 |
| Grain | Strzegom Wiedeński | 3.4 kg (32.7%) | 79 % | 10 |
| Grain | Strzegom Karmel 600 | 0.5 kg (4.8%) | 68 % | 601 |
| Grain | Caramunich® typ I | 0.5 kg (4.8%) | 73 % | 80 |
| Grain | Caraaroma | 0.5 kg (4.8%) | 78 % | 400 |
| Grain | Strzegom Czekoladowy ciemny | 0.3 kg (2.9%) | 68 % | 900 |
| Sugar | Brown Sugar, Light | 0.2 kg (1.9%) | 100 % | 16 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------|--------|--------|------------|
| Boil | lunga | 50 g | 40 min | 11 % |

Yeasts

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

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------|---------------|----------------|-------------|
| Fining | Wirflok | 1 g | Boil | 10 min |