

## porter bałtycki

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- Gravity **22.2 BLG**
- ABV ---
- IBU **34**
- SRM **58.3**
- Style **Baltic Porter**

### Batch size

- Expected quantity of finished beer **18 liter(s)**
- Trub loss **5 %**
- Size with trub loss **18.9 liter(s)**
- Boil time **90 min**
- Evaporation rate **10 %/h**
- Boil size **23.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.7 liter(s) / kg**
- Mash size **20.8 liter(s)**
- Total mash volume **28.5 liter(s)**

### Steps

- Temp **68 C**, Time **80 min**

### Mash step by step

- Heat up **20.8 liter(s)** of strike water to **76.9C**
- Add grains
- Keep mash **80 min** at **68C**
- Sparge using **10.7 liter(s)** of **76C** water or to achieve **23.8 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Czekoladowy ciemny	0.4 kg (5.2%)	68 %	1200
Grain	Strzegom Karmel 600	0.2 kg (2.6%)	68 %	601
Grain	Strzegom Karmel 150	0.7 kg (9.1%)	75 %	150
Grain	Pszeniczny	0.4 kg (5.2%)	85 %	4
Grain	Strzegom Wiedeński	5 kg (64.9%)	79 %	10
Grain	Strzegom Monachijski typ II	1 kg (13%)	79 %	22

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	11 g	60 min	10.6 %
Boil	Lublin (Lubelski)	30 g	10 min	4.3 %
Boil	Pacific Gem	15 g	60 min	14.2 %

### Yeasts

Name	Type	Form	Amount	Laboratory
Saflager S-23	Lager	Slant	200 ml	Fermentis Division of S.I.Lesaffre

## Notes

- 19 l  
burzliwa miesiąc 21 blg - 8 blg  
cicha miesiąc 7,5 blg  
zabutelkowano 05.02.2017r  
dodano 110 gr glukozy - 2,9 gr / 0,5l  
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