

# Porter bałtycki 22 BLG 20I

- Gravity **19.1 BLG**
- ABV **8.3 %**
- IBU **36**
- SRM **34.1**
- 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 **2.65 liter(s) / kg**
- Mash size **21.2 liter(s)**
- Total mash volume **29.2 liter(s)**

## Steps

- Temp **51 C**, Time **20 min**
- Temp **61 C**, Time **30 min**
- Temp **73 C**, Time **30 min**
- Temp **73 C**, Time **15 min**
- Temp **79 C**, Time **2 min**

## Mash step by step

- Heat up **21.2 liter(s)** of strike water to **56.8C**
- Add grains
- Keep mash **20 min** at **51C**
- Keep mash **30 min** at **61C**
- Keep mash **15 min** at **73C**
- Keep mash **30 min** at **73C**
- Keep mash **2 min** at **79C**
- Sparge using **12.1 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Wiedeński	3.8 kg (47.5%)	79 %	10
Grain	Monachijski	3 kg (37.5%)	80 %	16
Grain	Karmelowy Jasny 30EBC	0.35 kg (4.4%)	75 %	30
Grain	Strzegom Karmel 600	0.4 kg (5%)	68 %	601
Grain	Czekoladowy	0.45 kg (5.6%)	60 %	788

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	35 g	60 min	10 %
Boil	Lublin (Lubelski)	20 g	40 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
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Mangrove Jack's M84 Bohemian Lager	Lager	Dry	20 g	Mangrove Jack's
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