

# Porter Bałtycki 22BLG

- Gravity **18.9 BLG**
- ABV **8.2 %**
- IBU **34**
- SRM **33.9**
- 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 **3 liter(s) / kg**
- Mash size **24 liter(s)**
- Total mash volume **32 liter(s)**

## Steps

- 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 **24 liter(s)** of strike water to **67.8C**
- Add grains
- 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 **9.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Munich Malt	3 kg (37.5%)	78 %	18
Grain	Viking Vienna Malt	3.8 kg (47.5%)	79 %	7
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	20 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Mangrove Jack's M76 Bavarian Lager	Lager	Dry	20 g	Mangrove Jack's

## Notes

- Czekoladowy na ostatnie 15+2 minuty zacierania  
*Apr 23, 2022, 1:38 PM*