

# Porter Bałtycki 70

- Gravity **21.3 BLG**
- ABV **9.5 %**
- IBU **36**
- SRM **27.2**
- Style **Baltic Porter**

## Batch size

- Expected quantity of finished beer **40 liter(s)**
- Trub loss **3 %**
- Size with trub loss **41.2 liter(s)**
- Boil time **120 min**
- Evaporation rate **7 %/h**
- Boil size **49.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **41.5 liter(s)**
- Total mash volume **58.1 liter(s)**

## Steps

- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **41.5 liter(s)** of strike water to **72.8C**
- Add grains
- Keep mash **40 min** at **64C**
- Keep mash **40 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **24.8 liter(s)** of **76C** water or to achieve **49.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński Malteurop	9 kg (54.2%)	81 %	3
Grain	Strzegom Czekoladowy jasny	1 kg (6%)	68 %	400
Grain	Słód pszeniczny	1 kg (6%)	82 %	5
Grain	Strzegom pszenica prażona	0.4 kg (2.4%)	70 %	1000
Grain	Strzegom Monachijski typ II	4.5 kg (27.1%)	79 %	22
Grain	Płatki owsiane	0.7 kg (4.2%)	85 %	3

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Sybilla	115 g	60 min	6.5 %
Aroma (end of boil)	Lublin (Lubelski)	60 g	15 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Saflager W 34/70	Lager	Dry	26.29 g	Fermentis