

## #006 Porter Bałtycki

- Gravity **20.7 BLG**
- ABV ---
- IBU **49**
- SRM **30.5**
- Style **Baltic Porter**

### Batch size

- Expected quantity of finished beer **14 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **18 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **13.9 liter(s)**
- Total mash volume **19.4 liter(s)**

### Steps

- Temp **66 C**, Time **60 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **13.9 liter(s)** of strike water to **75.2C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **10 min** at **78C**
- Sparge using **9.7 liter(s)** of **76C** water or to achieve **18 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	BESTMALZ - Best Minich	2 kg (36%)	80.5 %	16
Grain	Weyermann - Vienna Malt	1 kg (18%)	81 %	8
Grain	BESTMALZ - Best Pilsen	1.5 kg (27%)	80.5 %	4
Grain	Carahell	0.25 kg (4.5%)	77 %	26
Grain	Weyermann Caramunich Typ 1	0.25 kg (4.5%)	73 %	90
Grain	Weyermann - Carafa III Special	0.3 kg (5.4%)	65 %	1024
Grain	Płatki owsiane	0.25 kg (4.5%)	85 %	3

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	20 g	50 min	13.5 %
Boil	Northern Brewer	10 g	50 min	9 %
Boil	Saaz (Czech Republic)	15 g	20 min	4.5 %
Boil	Saaz (Czech Republic)	15 g	7 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Wyeast - California Lager	Lager	Liquid	150 ml	Wyeast Labs