

# Bałycka Meluzyna

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- Gravity **21.1 BLG**
- ABV **9.4 %**
- IBU **28**
- SRM **45.4**
- Style **Baltic Porter**

## Batch size

- Expected quantity of finished beer **15 liter(s)**
- Trub loss **5 %**
- Size with trub loss **15.8 liter(s)**
- Boil time **120 min**
- Evaporation rate **15 %/h**
- Boil size **22.5 liter(s)**

## Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **26.6 liter(s)**
- Total mash volume **34.2 liter(s)**

## Steps

- Temp **62 C**, Time **35 min**
- Temp **72 C**, Time **35 min**
- Temp **78 C**, Time **5 min**

## Mash step by step

- Heat up **26.6 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **35 min** at **62C**
- Keep mash **35 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **3.5 liter(s)** of **76C** water or to achieve **22.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (65.8%)	80 %	5
Grain	Carafa special III 1300-1500	0.5 kg (6.6%)	70 %	1400
Grain	red ale viking malt	0.7 kg (9.2%)	75 %	70
Grain	castle- Light Munich Malt	1.4 kg (18.4%)	82 %	14

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	30 g	60 min	7.5 %
Aroma (end of boil)	Marynka	30 g	5 min	7.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
wyeast munich lager	Lager	Dry	10 g	---