

Polska pszenica

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **23**
- SRM **3.1**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

Steps

- Temp **62 C**, Time **30 min**
- Temp **70 C**, Time **45 min**

Mash step by step

- Heat up **15.8 liter(s)** of strike water to **68C**
- Add grains
- Keep mash **30 min** at **62C**
- Keep mash **45 min** at **70C**
- Sparge using **17.7 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	2.5 kg (55.6%)	81 %	4
Grain	Pszeniczny	2 kg (44.4%)	85 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	tomyski	50 g	60 min	2.5 %
Whirlpool	Zula	30 g	3 min	8.3 %
Whirlpool	Izabella	30 g	30 min	6.8 %

Yeasts

Name	Type	Form	Amount	Laboratory
wlp850	Lager	Liquid	200 ml	---