

pszenicznik

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **37**
- SRM **4**
- 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 liter(s) / kg**
- Mash size **17.9 liter(s)**
- Total mash volume **23.8 liter(s)**

Steps

- Temp **52 C**, Time **15 min**
- Temp **63 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **2 min**

Mash step by step

- Heat up **17.9 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **15 min** at **52C**
- Keep mash **45 min** at **63C**
- Keep mash **15 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **17.1 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	1 kg (16.8%)	85 %	4
Grain	Strzegom Pilzneński	2.2 kg (37%)	80 %	4
Grain	Viking Pale Ale malt	2.5 kg (42%)	80 %	5
Grain	Weyermann - Carapils	0.25 kg (4.2%)	78 %	4

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	30 g	60 min	4 %
Boil	Citra	30 g	15 min	12 %
Boil	Mosaic	20 g	15 min	10 %

Yeasts

Name	Type	Form	Amount	Laboratory
us 05	Wheat	Dry	10 g	---