

przenica

- Gravity **10.2 BLG**
- ABV **4.1 %**
- IBU **11**
- SRM **4.5**
- Style **Weizen/Weissbier**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.8 liter(s)**
- Boil time **80 min**
- Evaporation rate **10 %/h**
- Boil size **39.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.1 liter(s)**
- Total mash volume **22.8 liter(s)**

Steps

- Temp **40 C**, Time **15 min**
- Temp **52 C**, Time **10 min**
- Temp **68 C**, Time **40 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **17.1 liter(s)** of strike water to **43.3C**
- Add grains
- Keep mash **15 min** at **40C**
- Keep mash **10 min** at **52C**
- Keep mash **40 min** at **68C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **28 liter(s)** of **76C** water or to achieve **39.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pilzneński	2 kg (35.1%)	80 %	4
Grain	Strzegom Pszeniczny	3 kg (52.6%)	81 %	6
Grain	Karmelowy Jasny 30EBC	0.7 kg (12.3%)	75 %	30

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Lublin (Lubelski)	40 g	10 min	4 %
Boil	Lublin (Lubelski)	20 g	70 min	4 %

Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	10 ml	Fermentum Mobile