

Pszenica

- Gravity **11.2 BLG**
- ABV **4.5 %**
- IBU **23**
- SRM **3.8**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **25.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **18.9 liter(s)**

Steps

- Temp **46 C**, Time **15 min**
- Temp **64 C**, Time **25 min**
- Temp **71 C**, Time **40 min**
- Temp **78 C**, Time **10 min**

Mash step by step

- Heat up **14.7 liter(s)** of strike water to **49.7C**
- Add grains
- Keep mash **15 min** at **46C**
- Keep mash **25 min** at **64C**
- Keep mash **40 min** at **71C**
- Keep mash **10 min** at **78C**
- Sparge using **14.8 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1.5 kg (35.7%)	85 %	4
Grain	Pszeniczny	2.5 kg (59.5%)	85 %	4
Grain	Karmelowy Jasny 30EBC	0.2 kg (4.8%)	75 %	30

Hops

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

Yeasts

Name	Type	Form	Amount	Laboratory
Safale WB-06	Ale	Dry	10 g	Fermentis
Rehydratyzowane w brzeczce				