

Pszenica na chmielu

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **55**
- SRM **4**
- Style **American Wheat or Rye Beer**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **39 C**, Time **15 min**
- Temp **53 C**, Time **25 min**
- Temp **70 C**, Time **30 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **41.7C**
- Add grains
- Keep mash **15 min** at **39C**
- Keep mash **25 min** at **53C**
- Keep mash **30 min** at **70C**
- Keep mash **1 min** at **78C**
- Sparge using **13.9 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

Type	Name	Amount	Yield	EBC
Grain	Słód pszeniczny Bestmalz	5 kg (100%)	82 %	5

Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Chinook	10 g	60 min	13 %
Boil	Citra	10 g	40 min	12 %
Boil	Chinook	10 g	30 min	13 %
Boil	Citra	10 g	15 min	12 %
Boil	Chinook	15 g	10 min	13 %
Boil	Citra	30 g	5 min	12 %
Dry Hop	Citra	50 g	5 day(s)	12 %

Yeasts

Name	Type	Form	Amount	Laboratory
Safale US-05	Ale	Dry	11 g	Fermentis

Extras

Type	Name	Amount	Use for	Time
Fining	mech irlandzki	5 g	Boil	15 min