

# Przenicowany challenger

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **19**
- SRM **8.4**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **25 liter(s)**
- Trub loss **5 %**
- Size with trub loss **26.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **31.7 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **22.8 liter(s)**
- Total mash volume **29.3 liter(s)**

## Steps

- Temp **45 C**, Time **10 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **40 min**
- Temp **78 C**, Time **0 min**

## Mash step by step

- Heat up **22.8 liter(s)** of strike water to **48.6C**
- Add grains
- Keep mash **10 min** at **45C**
- Keep mash **40 min** at **62C**
- Keep mash **40 min** at **72C**
- Keep mash **0 min** at **78C**
- Sparge using **15.4 liter(s)** of **76C** water or to achieve **31.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	3 kg (46.2%)	81 %	4
Grain	Strzegom Pszeniczny	3 kg (46.2%)	81 %	6
Grain	Strzegom Karmel 150	0.5 kg (7.7%)	75 %	150

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Challenger	25 g	60 min	8.8 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Bavarian Wheat 11	Wheat	Dry	10 g	Gozdawa