

# Weizen

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **17**
- SRM **4**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **45 liter(s)**
- Trub loss **5 %**
- Size with trub loss **47.3 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **57 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

## Steps

- Temp **44 C**, Time **20 min**
- Temp **64 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **2 min**

## Mash step by step

- Heat up **30 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **2 min** at **78C**
- Sparge using **37 liter(s)** of **76C** water or to achieve **57 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pilsner Malt	5 kg (50%)	81 %	5
Grain	Weyermann pszeniczny jasny	5 kg (50%)	80 %	6

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau	40 g	60 min	4.5 %
Boil	Hallertau	60 g	20 min	4.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Slant	225 ml	Fermentum Mobile