

## WEIZENBIER II

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- Gravity **11 BLG**
- ABV **4.4 %**
- IBU **20**
- SRM **6.4**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **2 %**
- Size with trub loss **24.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **28.5 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **14.8 liter(s)**
- Total mash volume **19.4 liter(s)**

### Steps

- Temp **42 C**, Time **15 min**
- Temp **64 C**, Time **40 min**
- Temp **72 C**, Time **25 min**
- Temp **78 C**, Time **5 min**

### Mash step by step

- Heat up **14.8 liter(s)** of strike water to **45.3C**
- Add grains
- Keep mash **15 min** at **42C**
- Keep mash **40 min** at **64C**
- Keep mash **25 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **18.2 liter(s)** of **76C** water or to achieve **28.5 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszeniczny	2 kg (44.4%)	85 %	4
Grain	Pilzneński	2 kg (44.4%)	81 %	4
Grain	Melanoidynowy	0.25 kg (5.6%)	75 %	70
Grain	Carawheat	0.25 kg (5.6%)	77 %	115

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Mittelfruh	25 g	60 min	5.1 %
Boil	Hallertau Mittelfruh	25 g	15 min	5.1 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	40 ml	Fermentum Mobile