

## Heffe Weizen #003

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **9**
- SRM **3.5**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **5 %/h**
- Boil size **25.3 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.5 liter(s)**
- Total mash volume **22 liter(s)**

### Steps

- Temp **44 C**, Time **20 min**
- Temp **62 C**, Time **45 min**
- Temp **68 C**, Time **15 min**
- Temp **76 C**, Time **5 min**

### Mash step by step

- Heat up **16.5 liter(s)** of strike water to **48C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **62C**
- Keep mash **15 min** at **68C**
- Keep mash **5 min** at **76C**
- Sparge using **14.3 liter(s)** of **76C** water or to achieve **25.3 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann - Pale Wheat Malt	3 kg (54.5%)	75 %	3
Grain	Słód Pilsner® 2,5-4,5 EBC Weyermann	2.5 kg (45.5%)	70 %	4

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Blanc	10 g	30 min	11 %

### Yeasts

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