

## Weizen v 4.0

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- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **14**
- SRM **4.4**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **11 liter(s)**
- Trub loss **5 %**
- Size with trub loss **11.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **25 %/h**
- Boil size **15.1 liter(s)**

### Mash information

- Mash efficiency **70 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **10 liter(s)**
- Total mash volume **12.5 liter(s)**

### Steps

- Temp **44 C**, Time **20 min**
- Temp **67 C**, Time **45 min**
- Temp **72 C**, Time **20 min**
- Temp **79 C**, Time **5 min**

### Mash step by step

- Heat up **10 liter(s)** of strike water to **47C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **45 min** at **67C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **79C**
- Sparge using **7.6 liter(s)** of **76C** water or to achieve **15.1 liter(s)** of wort

### Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pilzneński	1 kg (40%)	81 %	4
Grain	Pszeniczny	1.375 kg (55%)	85 %	4
Grain	Abbey Castle	0.125 kg (5%)	80 %	45

### Hops

Use for	Name	Amount	Time	Alpha acid
Boil	lunga	5 g	60 min	11 %
Boil	lunga	5 g	5 min	11 %

### Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Slant	100 ml	Fermentum Mobile

### Extras

Type	Name	Amount	Use for	Time
Water Agent	Łuska ryżowa	100 g	Mash	90 min

Water Agent	Kwas fosforowy	2 g	Mash	30 min
Woda do wyśładzania - 1ml/6l				