

# hafenweizer

- Gravity **11.9 BLG**
- ABV ---
- IBU **27**
- SRM **4.7**
- 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 **10 %/h**
- Boil size **26.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.1 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **18.5 liter(s)**

## Steps

- Temp **45 C**, Time **15 min**
- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **14 liter(s)** of strike water to **49C**
- Add grains
- Keep mash **15 min** at **45C**
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **17 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Strzegom Pszeniczny	2.5 kg (55.6%)	81 %	6
Grain	Strzegom Pilzneński	2 kg (44.4%)	80 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	10 g	60 min	9.6 %
Boil	Marynka	15 g	30 min	9.6 %
Aroma (end of boil)	Lublin (Lubelski)	15 g	7 min	4 %
Aroma (end of boil)	Lublin (Lubelski)	10 g	3 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safbrew WB-06	Wheat	Dry	11 g	Safbrew