

# MARIAN hefeweizen

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- Gravity **11.9 BLG**
- ABV **4.8 %**
- IBU **13**
- SRM **3.9**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29 liter(s)**

## Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **22.9 liter(s)**

## Steps

- Temp **44 C**, Time **15 min**
- Temp **55 C**, Time **15 min**
- Temp **62 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **76 C**, Time **5 min**

## Mash step by step

- Heat up **17.8 liter(s)** of strike water to **47.4C**
- Add grains
- Keep mash **15 min** at **44C**
- Keep mash **15 min** at **55C**
- Keep mash **30 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **5 min** at **76C**
- Sparge using **16.3 liter(s)** of **76C** water or to achieve **29 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Weyermann pszeniczny jasny	3.1 kg (60.8%)	80 %	6
Grain	Pilzneński	2 kg (39.2%)	81 %	4

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Fuggles	23 g	60 min	5.9 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Liquid	50 ml	Fermentum Mobile

## Extras

Type	Name	Amount	Use for	Time
Other	łuska ryżowa	200 g	Mash	10 min