

# HefeWeizen Gwoździe i Banany 08-12-2022 r.

- Gravity **13.3 BLG**
- ABV ---
- IBU **9**
- SRM **5.7**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **27 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.4 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **34.7 liter(s)**

## Mash information

- Mash efficiency **72 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **26.3 liter(s)**
- Total mash volume **33.8 liter(s)**

## Steps

- Temp **44 C**, Time **20 min**
- Temp **64 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **26.3 liter(s)** of strike water to **47.4C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **50 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **15.9 liter(s)** of **76C** water or to achieve **34.7 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Pszoniczny jasny	3.75 kg (50%)	80 %	4
Grain	Słód Pilsner® 2,5-4,5 EBC Weyermann	3.5 kg (46.7%)	80 %	4
Grain	CaraWheat	0.25 kg (3.3%)	80 %	120

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Hallertau Tradition	20 g	40 min	5.5 %
Boil	Hallertau Tradition	10 g	10 min	5.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
FM41 Gwoździe i Banany	Wheat	Slant	540 ml	Fermentum Mobile