

# Hefe Weizen Gwoździe i Banany 15-11-2022 r.

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **10**
- SRM **3.4**
- Style **Weizen/Weissbier**

## Batch size

- Expected quantity of finished beer **26.8 liter(s)**
- Trub loss **5 %**
- Size with trub loss **28.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **33.9 liter(s)**

## Mash information

- Mash efficiency **78 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **18 liter(s)**
- Total mash volume **24 liter(s)**

## Steps

- Temp **51 C**, Time **10 min**
- Temp **64 C**, Time **30 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

## Mash step by step

- Heat up **18 liter(s)** of strike water to **56.2C**
- Add grains
- Keep mash **10 min** at **51C**
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **21.9 liter(s)** of **76C** water or to achieve **33.9 liter(s)** of wort

## Fermentables

| Type  | Name                                      | Amount     | Yield | EBC |
|-------|---|------------|-------|-----|
| Grain | Pszeniczny jasny                          | 3 kg (50%) | 80 %  | 4   |
| Grain | Słód Pilsner®<br>2,5-4,5 EBC<br>Weyermann | 3 kg (50%) | 80 %  | 4   |

## Hops

| Use for | Name      | Amount | Time   | Alpha acid |
|---------|-----------|--------|--------|------------|
| Boil    | lunga     | 8 g    | 30 min | 11 %       |
| Boil    | Hallertau | 9 g    | 20 min | 9 %        |

## Yeasts

| Name   | Type  | Form  | Amount | Laboratory       |
|--|-------|-------|--------|------------------|
| FM41 Gwoździe i Banany - wiadro 25 litrów - 7 dni gęstwa - I zbiór | Wheat | Slant | 120 ml | Fermentum Mobile |