

# Hefe Weizen Gwoździe i Banany 31-10-2022 r.

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **11**
- SRM **6.1**
- 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 **79 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **20 liter(s)**
- Total mash volume **25.7 liter(s)**

## Steps

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

## Mash step by step

- Heat up **20 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **30 min** at **64C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **19.6 liter(s)** of **76C** water or to achieve **33.9 liter(s)** of wort

## Fermentables

| Type    | Name                                      | Amount         | Yield | EBC |
|---------|-------------------------------------------|----------------|-------|-----|
| Grain   | Pszeniczny jasny                          | 1 kg (14.9%)   | 80 %  | 4   |
| Grain   | Słód Pilsner®<br>2,5-4,5 EBC<br>Weyermann | 3.5 kg (52.1%) | 80 %  | 4   |
| Grain   | Caramel/Crystal<br>Malt - 120L            | 0.22 kg (3.3%) | 72 %  | 190 |
| Grain   | Płatki pszeniczne                         | 1 kg (14.9%)   | 60 %  | 3   |
| Adjunct | Pszenica<br>niesłodowana                  | 1 kg (14.9%)   | 38 %  | 3   |

## Hops

| Use for | Name      | Amount | Time   | Alpha acid |
|---------|-----------|--------|--------|------------|
| Boil    | Hallertau | 20 g   | 45 min | 5.5 %      |
| Boil    | Hallertau | 10 g   | 15 min | 5.5 %      |

## Yeasts

| Name                   | Type  | Form   | Amount  | Laboratory       |
|------------------------|-------|--------|---------|------------------|
| FM41 Gwoździe i Banany | Wheat | Liquid | 1000 ml | Fermentum Mobile |