

## hefeweizen\_biab

- Gravity **12.1 BLG**
- ABV **4.9 %**
- IBU **24**
- SRM **6**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **12.6 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.2 liter(s)**

### Mash information

- Mash efficiency **61 %**
- Liquor-to-grist ratio **4 liter(s) / kg**
- Mash size **14 liter(s)**
- Total mash volume **17.5 liter(s)**

### Steps

- Temp **45 C**, Time **1 min**
- Temp **44 C**, Time **20 min**
- Temp **62 C**, Time **60 min**
- Temp **78 C**, Time **1 min**

### Mash step by step

- Heat up **14 liter(s)** of strike water to **47C**
- Add grains
- Keep mash **20 min** at **44C**
- Keep mash **1 min** at **45C**
- Keep mash **60 min** at **62C**
- Keep mash **1 min** at **78C**
- Sparge using **4.7 liter(s)** of **76C** water or to achieve **15.2 liter(s)** of wort

### Fermentables

| Type  | Name                       | Amount         | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Słód pszeniczny            | 2.5 kg (71.4%) | 82 %  | 5   |
| Grain | Strzegom Monachijski typ I | 1 kg (28.6%)   | 79 %  | 16  |

### Hops

| Use for | Name    | Amount | Time   | Alpha acid |
|---------|---------|--------|--------|------------|
| Boil    | Marynka | 13 g   | 60 min | 10 %       |

### Yeasts

| Name                   | Type  | Form   | Amount | Laboratory       |
|------------------------|-------|--------|--------|------------------|
| starter na 9blg        | Wheat | Liquid | 800 ml | Fermentum Mobile |
| FM41 Gwoździe i Banany | Wheat | Liquid | 30 ml  | Fermentum Mobile |

### Extras

| Type  | Name                | Amount | Use for | Time |
|-------|---------------------|--------|---------|------|
| Other | glukoamylaza biowin | 1 g    | Primary | ---  |

|             |                        |       |      |     |
|-------------|------------------------|-------|------|-----|
| Water Agent | gips / 14L             | 1.6 g | Mash | --- |
| Water Agent | chlorek wapnia / 14L   | 1.6 g | Mash | --- |
| Water Agent | soda oczyszczona / 14L | 0.6 g | Mash | --- |
| Water Agent | gips / 14L             | 0.8 g | Mash | --- |
| Water Agent | chlorek wapnia / 14L   | 0.8 g | Mash | --- |
| Water Agent | soda oczyszczona / 14L | 0.3 g | Mash | --- |

## Notes

- Zacieranie 14L wody RO + dodatki  
Wysładzanie 7L wody RO + dodatki  
*Nov 19, 2022, 11:42 AM*