

## #154 Weizen

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **12**
- SRM **4**
- Style **Weizen/Weissbier**

### Batch size

- Expected quantity of finished beer **12.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.1 liter(s)**
- Boil time **67 min**
- Evaporation rate **14 %/h**
- Boil size **16.7 liter(s)**

### Mash information

- Mash efficiency **68 %**
- Liquor-to-grist ratio **5.5 liter(s) / kg**
- Mash size **18.4 liter(s)**
- Total mash volume **21.8 liter(s)**

### Steps

- Temp **66 C**, Time **37 min**
- Temp **72 C**, Time **20 min**
- Temp **77 C**, Time **5 min**

### Mash step by step

- Heat up **18.4 liter(s)** of strike water to **70.2C**
- Add grains
- Keep mash **37 min** at **66C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **77C**
- Sparge using **1.7 liter(s)** of **76C** water or to achieve **16.7 liter(s)** of wort

### Fermentables

| Type  | Name                 | Amount         | Yield | EBC |
|-------|----------------------|----------------|-------|-----|
| Grain | Pszeniczny           | 1.7 kg (50.7%) | 75 %  | 4   |
| Grain | Viking Pale Ale malt | 1.2 kg (35.8%) | 80 %  | 5   |
| Grain | Płatki owsiane       | 0.25 kg (7.5%) | 75 %  | 3   |
| Grain | Wheat, Torrified     | 0.2 kg (6%)    | 79 %  | 4   |

### Hops

| Use for             | Name  | Amount | Time   | Alpha acid |
|---------------------|-------|--------|--------|------------|
| Boil                | lunga | 5 g    | 55 min | 9.6 %      |
| Aroma (end of boil) | lunga | 6 g    | 10 min | 9.6 %      |

### Yeasts

| Name                   | Type  | Form   | Amount | Laboratory       |
|------------------------|-------|--------|--------|------------------|
| FM41 Gwoździe i Banany | Wheat | Liquid | 100 ml | Fermentum Mobile |

### Extras

| Type  | Name            | Amount | Use for   | Time     |
|-------|-----------------|--------|-----------|----------|
| Other | Ziarna kakaowca | 200 g  | Secondary | 7 day(s) |

|       |        |     |           |          |
|-------|--------|-----|-----------|----------|
| Other | Wit. C | 1 g | Secondary | 7 day(s) |
|-------|--------|-----|-----------|----------|