

## WITBIER II

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **15**
- SRM **3.6**
- Style **Witbier**

### Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

### Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **15.8 liter(s)**
- Total mash volume **20.3 liter(s)**

### Steps

- Temp **65 C**, Time **60 min**
- Temp **76 C**, Time **3 min**

### Mash step by step

- Heat up **15.8 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **65C**
- Keep mash **3 min** at **76C**
- Sparge using **15.1 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

### Fermentables

| Type  | Name                     | Amount         | Yield | EBC |
|-------|--------------------------|----------------|-------|-----|
| Grain | Weyermann - Pilsner Malt | 2 kg (44.4%)   | 81 %  | 5   |
| Grain | Weyermann - Wheat Malt   | 2 kg (44.4%)   | 83 %  | 5   |
| Grain | Platki owsiane           | 0.5 kg (11.1%) | 60 %  | 3   |

### Hops

| Use for | Name     | Amount | Time   | Alpha acid |
|---------|----------|--------|--------|------------|
| Boil    | Puławski | 25 g   | 20 min | 8.9 %      |
| Boil    | Izabella | 50 g   | 0 min  | 5 %        |

### Yeasts

| Name                | Type  | Form   | Amount  | Laboratory       |
|---------------------|-------|--------|---------|------------------|
| FM23 Magiczny ogród | Wheat | Liquid | 1500 ml | Fermentum Mobile |

### Extras

| Type  | Name              | Amount | Use for | Time  |
|-------|-------------------|--------|---------|-------|
| Spice | Curacao           | 25 g   | Boil    | 5 min |
| Spice | Kolendra Indyjska | 25 g   | Boil    | 5 min |

|        |              |     |      |        |
|--------|--------------|-----|------|--------|
| Fining | Wirlfloc - T | 1 g | Boil | 10 min |
|--------|--------------|-----|------|--------|