

Witbier FM23 2022

- Gravity **11.4 BLG**
- ABV **4.6 %**
- IBU **15**
- SRM **3.4**
- Style **Witbier**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **29.8 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **17.5 liter(s)**
- Total mash volume **22.5 liter(s)**

Steps

- Temp **55 C**, Time **1 min**
- Temp **65 C**, Time **60 min**
- Temp **76 C**, Time **10 min**

Mash step by step

- Heat up **17.5 liter(s)** of strike water to **60C**
- Add grains
- Keep mash **1 min** at **55C**
- Keep mash **60 min** at **65C**
- Keep mash **10 min** at **76C**
- Sparge using **17.3 liter(s)** of **76C** water or to achieve **29.8 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------------|------------|-------|-----|
| Grain | Weyermann - Pilsner Malt | 3 kg (60%) | 81 % | 5 |
| Grain | Płatki pszeniczne | 2 kg (40%) | 80 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|---------------------|--------|--------|------------|
| Boil | lunga | 12 g | 60 min | 12.4 % |
| Boil | Hallertau Tradition | 17 g | 1 min | 4.3 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------|------|--------|---------|------------|
| FM23 Magiczny ogród | Ale | Liquid | 1000 ml | --- |

Extras

| Type | Name | Amount | Use for | Time |
|-------|----------|--------|---------|-------|
| Spice | kolendra | 12.5 g | Boil | 5 min |
| Spice | Curacao | 12.5 g | Boil | 5 min |

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|-------|----------------------------|--------|------|-------|
| Spice | Skórka słodkiej pomarańczy | 12.5 g | Boil | 5 min |
|-------|----------------------------|--------|------|-------|