

witbier

- Gravity **11.7 BLG**
- ABV **4.7 %**
- IBU **13**
- SRM **3.5**
- 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 **5 %/h**
- Boil size **27.9 liter(s)**

Mash information

- Mash efficiency **67 %**
- Liquor-to-grist ratio **3.3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.1 liter(s)**

Steps

- Temp **66 C**, Time **60 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **16.2 liter(s)** of strike water to **73C**
- Add grains
- Keep mash **60 min** at **66C**
- Keep mash **15 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **16.6 liter(s)** of **76C** water or to achieve **27.9 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|---------|-----------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 3.5 kg (59.3%) | 80 % | 4 |
| Adjunct | Pszenica niesłodowana | 1 kg (16.9%) | 75 % | 3 |
| Grain | Płatki pszeniczne | 1 kg (16.9%) | 60 % | 3 |
| Grain | Płatki owsiane | 0.4 kg (6.8%) | 60 % | 3 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil | Saaz (Czech Republic) | 30 g | 60 min | 4.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------|------|-------|--------|------------|
| wlp565 Belgian saison | Ale | Slant | 250 ml | wlp |

Extras

| Type | Name | Amount | Use for | Time |
|-------|---------|--------|---------|-------|
| Spice | kolędra | 20 g | Boil | 5 min |

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|-------|---------|------|------|-------|
| Spice | curaCAO | 20 g | Boil | 5 min |
|-------|---------|------|------|-------|