

Saison

- Gravity **15 BLG**
- ABV ---
- IBU **22**
- SRM **11**
- Style **Saison**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **25.7 liter(s)**

Mash information

- Mash efficiency **85 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.5 liter(s)**
- Total mash volume **19.4 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **1 min**

Mash step by step

- Heat up **14.5 liter(s)** of strike water to **71.4C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **76C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **25.7 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|----------------------------|----------------|-------|-----|
| Grain | Strzegom Pilzneński | 3.1 kg (63.9%) | 80 % | 4 |
| Grain | Strzegom Monachijski typ I | 0.6 kg (12.4%) | 79 % | 16 |
| Grain | Strzegom Pszeniczny | 0.8 kg (16.5%) | 81 % | 6 |
| Grain | Carahell | 0.15 kg (3.1%) | 77 % | 26 |
| Grain | Caraamber | 0.1 kg (2.1%) | 75 % | 59 |
| Grain | Caraaroma | 0.1 kg (2.1%) | 78 % | 400 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|--------|----------|------------|
| Boil | Marynka | 15 g | 65 min | 10 % |
| Boil | Saaz (Czech Republic) | 15 g | 15 min | 4.5 % |
| Boil | Saaz (Czech Republic) | 15 g | 5 min | 4.5 % |
| Dry Hop | Citra | 30 g | 7 day(s) | 12 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------------------|-------------|-------------|---------------|-------------------|
| Gozdawa Belgian Fruit Spicy Ale Yeast | Ale | Dry | 11 g | Gozdawa |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|--------------------|---------------|----------------|-------------|
| Flavor | Bitter Orange Peel | 20 g | Boil | 10 min |
| Flavor | Sweet Orange Peel | 20 g | Secondary | 7 day(s) |