

## Saison

- Gravity **13.6 BLG**
- ABV **5.6 %**
- IBU **23**
- SRM **4.5**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **10 liter(s)**
- Trub loss **5 %**
- Size with trub loss **10.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **15 %/h**
- Boil size **13.2 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **7.2 liter(s)**
- Total mash volume **9.6 liter(s)**

### Steps

- Temp **62 C**, Time **40 min**
- Temp **72 C**, Time **30 min**
- Temp **78 C**, Time **10 min**

### Mash step by step

- Heat up **7.2 liter(s)** of strike water to **69C**
- Add grains
- Keep mash **40 min** at **62C**
- Keep mash **30 min** at **72C**
- Keep mash **10 min** at **78C**
- Sparge using **8.4 liter(s)** of **76C** water or to achieve **13.2 liter(s)** of wort

### Fermentables

| Type        | Name               | Amount         | Yield | EBC |
|-------------|--------------------|----------------|-------|-----|
| Grain       | Pilzneński         | 1.2 kg (46.2%) | 81 %  | 4   |
| Grain       | Strzegom Wiedeński | 1 kg (38.5%)   | 79 %  | 10  |
| Grain       | zakwaszający       | 0.2 kg (7.7%)  | --- % | --- |
| Sugar       | glukoza            | 0.1 kg (3.8%)  | --- % | --- |
| Dry Extract | ekstrakt słodowy   | 0.1 kg (3.8%)  | --- % | --- |

### Hops

| Use for | Name                  | Amount | Time   | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil    | Perle                 | 10 g   | 60 min | 7 %        |
| Boil    | Saaz (Czech Republic) | 10 g   | 25 min | 4.5 %      |
| Boil    | Saaz (Czech Republic) | 10 g   | 5 min  | 4.5 %      |

### Yeasts

| Name                                          | Type | Form   | Amount | Laboratory |
|-----------------------------------------------|------|--------|--------|------------|
| WLP568 - Belgian Style Saison Ale Yeast Blend | Ale  | Liquid | 30 ml  | White Labs |

## Extras

| Type        | Name    | Amount | Use for | Time   |
|-------------|---------|--------|---------|--------|
| Spice       | Curacao | 10 g   | Boil    | 15 min |
| Water Agent | mech    | 2 g    | Boil    | 15 min |