

Saison

- Gravity **13.3 BLG**
- ABV ---
- IBU **48**
- SRM **13.4**
- Style **Saison**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **10 %**
- Size with trub loss **22 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **24.4 liter(s)**

Mash information

- Mash efficiency **80 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.1 liter(s)**
- Total mash volume **18.8 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **1 min**

Mash step by step

- Heat up **14.1 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **1 min** at **78C**
- Sparge using **15 liter(s)** of **76C** water or to achieve **24.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------------|----------------|-------|-----|
| Grain | Pilzneński | 2.7 kg (57.4%) | 81 % | 4 |
| Grain | Strzegom Wiedeński | 0.8 kg (17%) | 79 % | 10 |
| Grain | Pszeniczny | 0.7 kg (14.9%) | 85 % | 4 |
| Grain | Carahell | 0.2 kg (4.3%) | 77 % | 26 |
| Grain | Caraaroma | 0.2 kg (4.3%) | 78 % | 400 |
| Grain | zakwaszający | 0.1 kg (2.1%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil | Marynka | 30 g | 65 min | 10 % |
| Boil | Saaz (Czech Republic) | 20 g | 20 min | 4.5 % |
| Boil | Saaz (Czech Republic) | 10 g | 5 min | 4.5 % |
| Boil | glukoza | 300 g | 5 min | 1 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|------|------|------|--------|------------|
|------|------|------|--------|------------|

| | | | | |
|-------------------------|-----|--------|---------|-------------|
| Wyeast - Belgian Saison | Ale | Liquid | 1000 ml | Wyeast Labs |
|-------------------------|-----|--------|---------|-------------|

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------|--------|---------|-------|
| Spice | curacao | 20 g | Boil | 5 min |
| Flavor | glukoza | 300 g | Boil | 5 min |