

Saison PP

- Gravity **13.1 BLG**
- ABV ---
- IBU **22**
- SRM **10.6**
- Style **Saison**

Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22 liter(s)**
- Boil time **65 min**
- Evaporation rate **5 %/h**
- Boil size **24.2 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **14.7 liter(s)**
- Total mash volume **19.6 liter(s)**

Steps

- Temp **52 C**, Time **0 min**
- Temp **63 C**, Time **50 min**
- Temp **72 C**, Time **20 min**
- Temp **76 C**, Time **0 min**

Mash step by step

- Heat up **14.7 liter(s)** of strike water to **57.3C**
- Add grains
- Keep mash **0 min** at **52C**
- Keep mash **50 min** at **63C**
- Keep mash **20 min** at **72C**
- Keep mash **0 min** at **76C**
- Sparge using **14.4 liter(s)** of **76C** water or to achieve **24.2 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------|----------------|-------|-----|
| Grain | Pilzneński | 3.1 kg (63.3%) | 81 % | 4 |
| Grain | Monachijski | 0.6 kg (12.2%) | 80 % | 16 |
| Grain | Pszeniczny | 0.8 kg (16.3%) | 85 % | 4 |
| Grain | Carahell | 0.15 kg (3.1%) | 77 % | 26 |
| Grain | Caraamber | 0.1 kg (2%) | 75 % | 59 |
| Grain | Caraaroma | 0.1 kg (2%) | 78 % | 400 |
| Grain | zakwaszający | 0.05 kg (1%) | 80 % | 5 |

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) | 10 g | 5 min | 4.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|---------------------------------------|-------------|-------------|---------------|-------------------|
| Gozdawa Belgian Fruit Spicy Ale Yeast | Ale | Dry | 11.5 g | Gozdawa |

Extras

| Type | Name | Amount | Use for | Time |
|-------------|-------------|---------------|----------------|-------------|
| Spice | curacao | 20 g | Boil | 10 min |