

Saison

- Gravity **14 BLG**
- ABV **5.8 %**
- IBU **36**
- SRM **1.9**
- Style **Saison**

Batch size

- Expected quantity of finished beer **24 liter(s)**
- Trub loss **5 %**
- Size with trub loss **25.2 liter(s)**
- Boil time **65 min**
- Evaporation rate **10 %/h**
- Boil size **29.3 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **17.8 liter(s)**
- Total mash volume **23.7 liter(s)**

Steps

- Temp **64 C**, Time **60 min**
- Temp **72 C**, Time **20 min**
- Temp **78 C**, Time **5 min**

Mash step by step

- Heat up **17.8 liter(s)** of strike water to **71.3C**
- Add grains
- Keep mash **60 min** at **64C**
- Keep mash **20 min** at **72C**
- Keep mash **5 min** at **78C**
- Sparge using **17.4 liter(s)** of **76C** water or to achieve **29.3 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|-----------------|-------|-----|
| Grain | Strzegom Pilzneński | 3.4 kg (53.9%) | 80 % | --- |
| Grain | Pszeniczny | 0.9 kg (14.3%) | 85 % | 4 |
| Grain | Strzegom Wiedeński | 1 kg (15.9%) | 79 % | --- |
| Grain | Caraaroma | 0.25 kg (4%) | 78 % | --- |
| Grain | Carahell | 0.25 kg (4%) | 77 % | 26 |
| Grain | słód zakwaszający | 0.13 kg (2.1%) | --- % | --- |
| Sugar | glukoza | 0.375 kg (5.9%) | --- % | --- |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-----------------------|--------|--------|------------|
| Boil | Marynka | 12 g | 65 min | 10 % |
| Boil | lunga | 18 g | 65 min | 11 % |
| Boil | Saaz (Czech Republic) | 20 g | 15 min | 4.5 % |
| Boil | Perle | 5 g | 15 min | 7 % |
| Boil | Saaz (Czech Republic) | 10 g | 5 min | 4.5 % |

| | | | | |
|------|-----------------------|-----|-------|-------|
| Boil | Saaz (Czech Republic) | 3 g | 5 min | 4.5 % |
|------|-----------------------|-----|-------|-------|

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------------|------|------|--------|-----------------|
| Mangrove Jack's M29 French Saison | Ale | Dry | 12 g | Mangrove Jack's |

Extras

| Type | Name | Amount | Use for | Time |
|-------|---------|--------|---------|--------|
| Other | curacao | 20 g | Boil | 15 min |