

Saison

- Gravity **12.9 BLG**
- ABV **5.2 %**
- IBU **39**
- SRM **9.9**
- 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 **60 min**
- Evaporation rate **10 %/h**
- Boil size **30.4 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.8 liter(s)**
- Total mash volume **22.4 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 **16.8 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 **19.2 liter(s)** of **76C** water or to achieve **30.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|--------------|----------------|--------|-----|
| Grain | Pilzneński | 3 kg (50.4%) | 81 % | 4 |
| Grain | Wiedeński | 1 kg (16.8%) | 77.5 % | 7 |
| Grain | Pszeniczny | 1 kg (16.8%) | 85 % | 4 |
| Grain | Carahell | 0.25 kg (4.2%) | 77 % | 26 |
| Grain | Caraaroma | 0.25 kg (4.2%) | 78 % | 400 |
| Grain | zakwaszający | 0.1 kg (1.7%) | 58.7 % | 6 |
| Sugar | Sugar, Clear | 0.35 kg (5.9%) | 78.3 % | 2 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------------------|-----------------------|--------|--------|------------|
| Boil | Marynka | 35 g | 65 min | 10 % |
| Aroma (end of boil) | Saaz (Czech Republic) | 23 g | 20 min | 4.5 % |
| Aroma (end of boil) | Saaz (Czech Republic) | 12 g | 5 min | 4.5 % |

Yeasts

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

| | | | | |
|----------------------|-----|--------|--------|------------------|
| FM21 Odkrycie sezonu | Ale | Liquid | 500 ml | Fermentum Mobile |
|----------------------|-----|--------|--------|------------------|

Extras

| Type | Name | Amount | Use for | Time |
|-------|---------|--------|---------|--------|
| Spice | Curacao | 25 g | Boil | 60 min |