

## Farma

- Gravity **13.1 BLG**
- ABV **5.3 %**
- IBU **22**
- SRM **3.9**
- Style **Saison**

### Batch size

- Expected quantity of finished beer **12 liter(s)**
- Trub loss **5 %**
- Size with trub loss **13.2 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **15.8 liter(s)**

### Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3.5 liter(s) / kg**
- Mash size **11.5 liter(s)**
- Total mash volume **14.8 liter(s)**

### Steps

- Temp **64 C**, Time **45 min**
- Temp **72 C**, Time **15 min**
- Temp **78 C**, Time **15 min**

### Mash step by step

- Heat up **11.5 liter(s)** of strike water to **70.3C**
- Add grains
- Keep mash **45 min** at **64C**
- Keep mash **15 min** at **72C**
- Keep mash **15 min** at **78C**
- Sparge using **7.6 liter(s)** of **76C** water or to achieve **15.8 liter(s)** of wort

### Fermentables

| Type  | Name           | Amount         | Yield | EBC |
|-------|----------------|----------------|-------|-----|
| Grain | Pilzneński     | 2.5 kg (75.8%) | 81 %  | 4   |
| Grain | Pszeniczny     | 0.5 kg (15.2%) | 85 %  | 5   |
| Grain | Płatki owsiane | 0.3 kg (9.1%)  | 60 %  | 3   |

### Hops

| Use for   | Name   | Amount | Time   | Alpha acid |
|-----------|--------|--------|--------|------------|
| Boil      | Simcoe | 20 g   | 15 min | 12.9 %     |
| Whirlpool | Mosaic | 15 g   | ---    | 12.3 %     |
| Whirlpool | Citra  | 15 g   | ---    | 12.9 %     |
| Dry Hop   | Mosaic | 15 g   | ---    | 12.9 %     |
| Dry Hop   | Citra  | 15 g   | ---    | 12.9 %     |

### Yeasts

| Name  | Type | Form | Amount | Laboratory |
|---|------|------|--------|------------|
| Lallemand - LalBrew Hybrid Saison Style Yeast | Ale  | Dry  | 11 g   | Lallemand  |

### Notes

Recipe has been printed via **BREWNES.com** - a complex online solution for homebrewers to track brewing process easily.

- 15 blg po gotowaniu. Fermentacja zakończona po 5 dniach, 3 BLG. Cicha 4 dni plus CC w lodówce 2 dni. Pomiar 3 BLG po cichej. 19 butelek 59 gramów glukozy temp 24 poziom 2.2 CO2. ABC 6.7 x kalkulatora, 80% odfermentowało. Zabutelkowane 16.10.2022.  
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